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Chapter 1. Introduction to DNA

We thank you for your purchase of POSDATA's DNA (DVR Network agent) software.

This product linkable with POSDATA's DVR product through internet will provide various image security system functions.

1. What is **DNA?**

This software, DNA, is a program to control a number of DVRs integratedly, which is suitable for the places where integrate, operate and manage several DVRs, including flight control, situation room and operating room.

DNA provides various functions: it can check and control the state of DVR, camera and sensor in real-time via internet, search a file recorded to replay, perform several actions on the event occurred in DVR, monitoring several DVRs regularly at the same time, support multi-monitor to monitor up to 75 channels simultaneously.

2. System Requirements

Basic requirements	- Microsoft Windows 2000/XP - Pentium 4 1.9GHz or more - 512MB and more Memory - More than 1GB free Hard Disk space - 1 AGP card (1024*768, more than 24-bit color)
Recommended requirements	- Microsoft Windows XP - Microsoft DirectX 9.0 - More than 4 3 GHz Pentium supporting hyper-threading function - 1GB and more Memory - More than 4GB free Hard Disk space - 3 Multi-monitors - 4x AGP VGA card supporting multi-monitor (1280*1024, 32-bit color) - PCI VGA card supporting multi-monitor (1280*1024, 32-bit color)

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3. Main Functions of DNA

Main Functions	Description
User Management	DVR, Favorite, Rotation assignment by user
Various Setting	Provides various setting functions, such as DVR, Event, Favorite, Rotation, Image Options, Option.
Print	DVR image print
Snapshot	Stores images automatically/manually.
Rotation	Configures various View-Points; Periodical real-time monitoring
Window mode	Login, Logout, Lock mode
Various function modes	Real-time monitoring, Search & Replay, Control, Event
Real-time monitoring mode	DVR, Favorite, E-Map, PTZ, Voice, Message
Search & Replay mode	Remote File, Local File, Search Date/Hour, Search Event & Replay
Control mode	DVR Setting, Remote control, View Log & Save
Event mode	View Event Screen, Beep, Run External Program, Event Log
E-Map	Camera, Sensor State, E-Map Link, View 1-Screen
Split mode	1, 4, 9, 16, 25 Split modes
Multi-monitor	Supports 3 multi-monitors (up to 75 screens)
DVR, Camera State display	DVR Log-in, Log-out State, Camera Input, Moving sensing, Recording State
DVR Automatic Log-in	Automatically recovers connection in case of disconnection due to Network error, DVR error.
Update	To be updated to an enhanced version of DNA via internet
Max. number of DVRs manageable	256 or more

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Chapter 2. Install Guide

Insert the CD that is provided to install the DNA program in the CD-ROM driver of your system and select SetupDNA.exe file. When the DNA Setup program starts, install the DNA program on your PC, following a process of installation.

Step 1

Run SetupDNA.exe, then the following initial screen will appear.

DVR Network Agent Setup
Welcome to the DVR Network Agent Setup Wizard
This wizard will guide you through the installation of DVR Network Agent.
It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.
Click Next to continue.
DNA
Next >
Cancel

Select the [Next >] button to continue to the next step.

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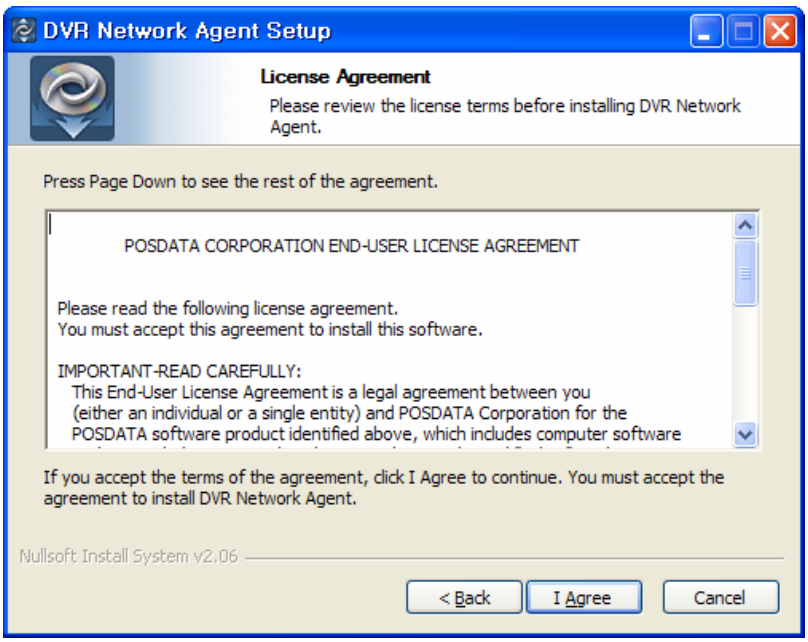
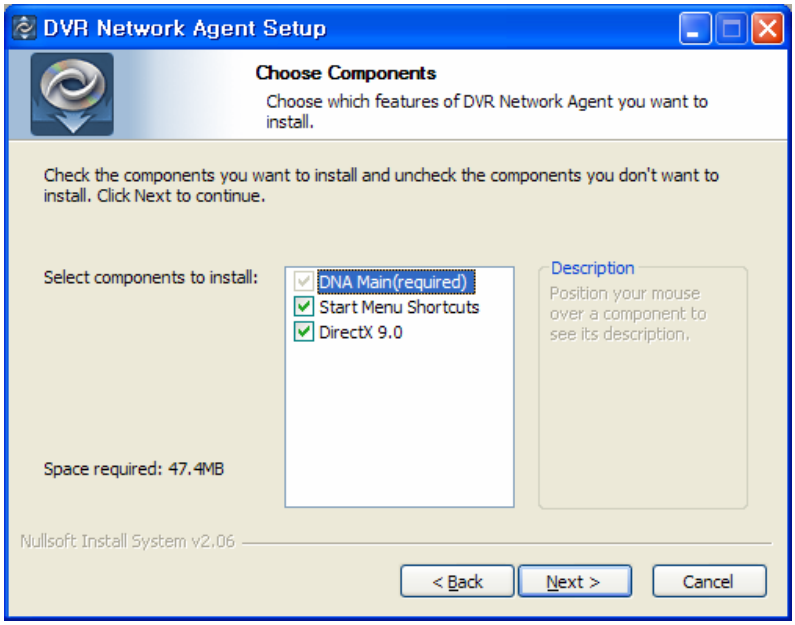
Step 2


DVR Network Agent Setup
License Agreement
Please review the license terms before installing DVR Network Agent.
Press Page Down to see the rest of the agreement.
POSDATA CORPORATION END-USER LICENSE AGREEMENT
Please read the following license agreement.
You must accept this agreement to install this software.
IMPORTANT-READ CAREFULLY:
This End-User License Agreement is a legal agreement between you
(either an individual or a single entity) and POSDATA Corporation for the
POSDATA software product identified above, which includes computer software
If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install DVR Network Agent.
Nullsoft Install System v2.06
< Back
I Agree
Cancel

Please read the license agreement carefully and select the [I Agree] button to proceed the next step if you agree. If you do not agree to the license agreement, select the [Cancel] button to exit Setup.

Step 3


DVR Network Agent Setup
Choose Components
Choose which features of DVR Network Agent you want to install.
Check the components you want to install and uncheck the components you don't want to install. Click Next to continue.
Select components to install:
DNA Main(required)
Start Menu Shortcuts
DirectX 9.0
Description
Position your mouse over a component to see its description.
Space required: 47.4MB
Nullsoft Install System v2.06
< Back
Next >
Cancel

Choose components of the program you want to install. If you install DirectX 9.0 software, you can reduce system load by using DirectX 9.0 's 3D function. Select the [Next >] button to proceed to the next step.

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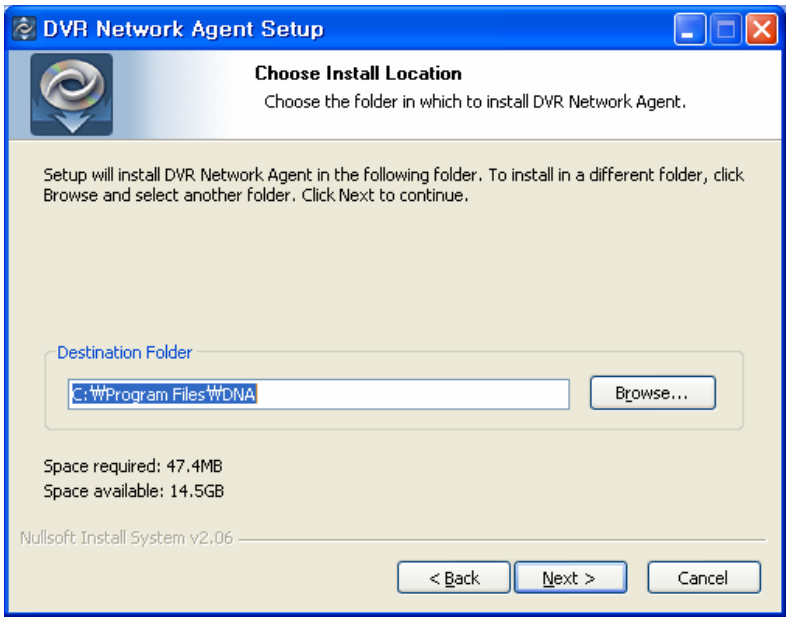
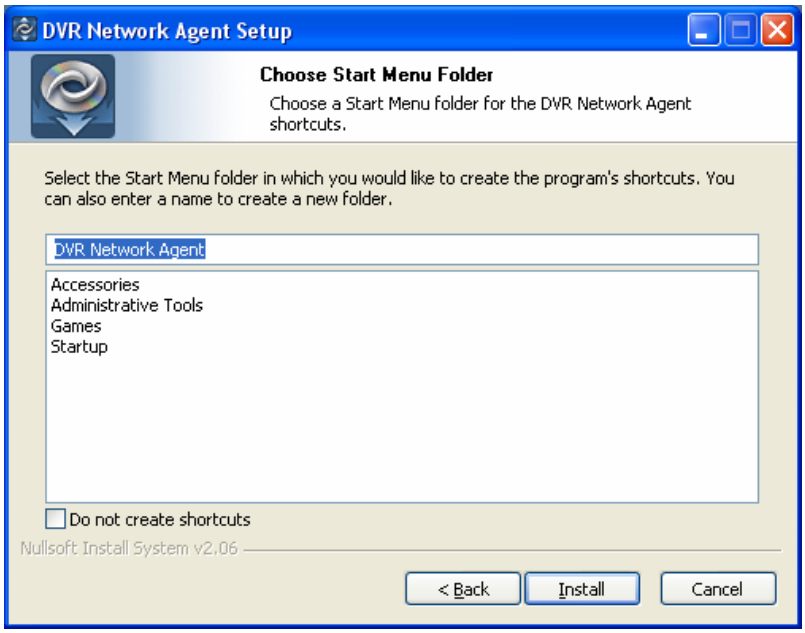
Step 4


DVR Network Agent Setup
Choose Install Location
Choose the folder in which to install DVR Network Agent.
Setup will install DVR Network Agent in the following folder. To install in a different folder, click Browse and select another folder. Click Next to continue.
Destination Folder
C:₩Program Files₩DNA
Browse...
Space required: 47.4MB
Space available: 14.5GB
Nullsoft Install System v2.06
< Back
Next >
Cancel

Choose the folder in which the DNA program will be installed. To change the initial folder path, click the [Browse...] button to choose the path you want. After choosing the path, click the [Next >] button to continue to the next step.

Step 5


DVR Network Agent Setup
Choose Start Menu Folder
Choose a Start Menu folder for the DVR Network Agent shortcuts.
Select the Start Menu folder in which you would like to create the program's shortcuts. You can also enter a name to create a new folder.
DVR Network Agent
Accessories
Administrative Tools
Games
Startup
Do not create shortcuts
Nullsoft Install System v2.06
< Back
Install
Cancel

Set the Start Menu folder in which you would like to create the program's shortcuts. Change the name of folder and then choose the [Next >] button to continue to the next step. (If you have not chosen the components of DirectX 9.0 or the DirectX 9.0 software is already installed, go to Step 7.)

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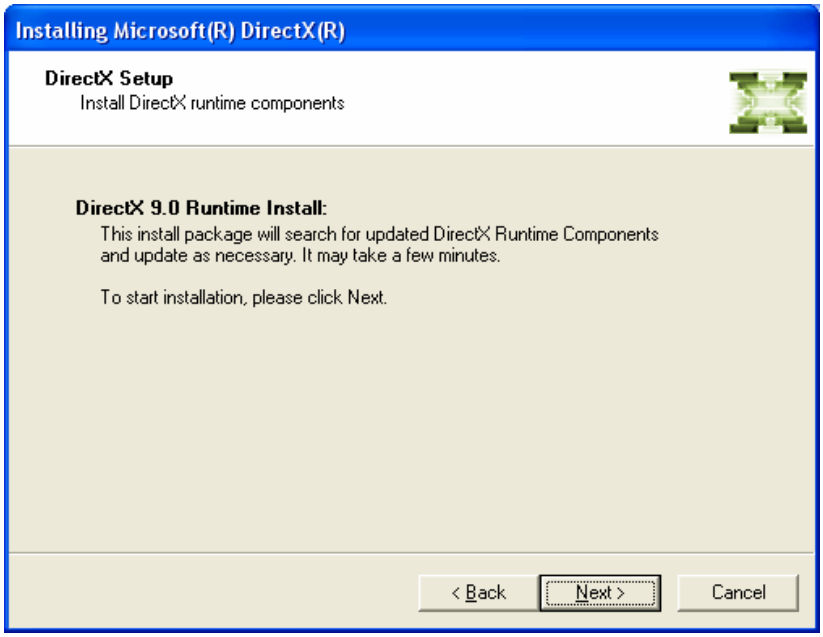
Step 6

Installing Microsoft(R) DirectX(R)
Welcome to setup for DirectX
The DirectX setup wizard guides you through installation of DirectX Runtime Components. Please read the following license agreement. Press the PAGE DOWN key to see the rest of the agreement. You must accept the agreement to continue the setup.
MICROSOFT DirectX 9.0c
SUPPLEMENTAL END USER LICENSE AGREEMENT FOR MICROSOFT SOFTWARE ("Supplemental EULA")
IMPORTANT: READ CAREFULLY - These Microsoft Corporation ("Microsoft") operating system components, including any "online" or electronic documentation ("OS Components") are subject to the terms and conditions of
I accept the agreement
I don't accept the agreement
< Back
Next >
Cancel

Install the DirectX 9.0 software at this stage. Please read MICROSOFT CORPORATION End User License Agreement (EULA) carefully. If you accept the terms of the agreement, click on the [I Agree] check box and select the [Next] button to continue. If you don't want to accept them, click the [Cancel] button to exit the DirectX 9.0 Setup.


Installing Microsoft(R) DirectX(R)
DirectX Setup
Install DirectX runtime components
DirectX 9.0 Runtime Install:
This install package will search for updated DirectX Runtime Components and update as necessary. It may take a few minutes.
To start installation, please click Next.
< Back
Next >
Cancel

Search the run-time components for DirectX 9.0 software installation and click the [Next] button.

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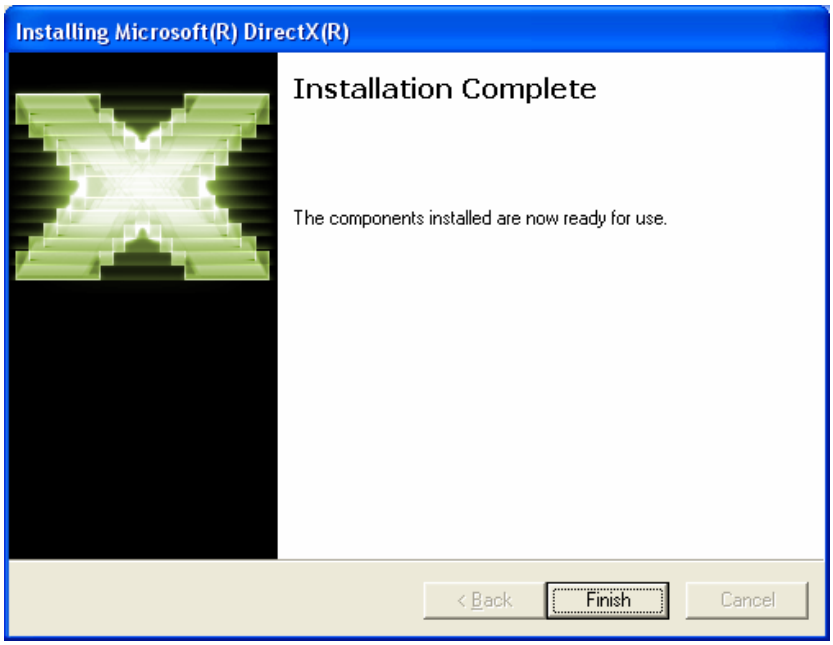

Select the [Finish] button to complete the DirectX 9.0 software installation.

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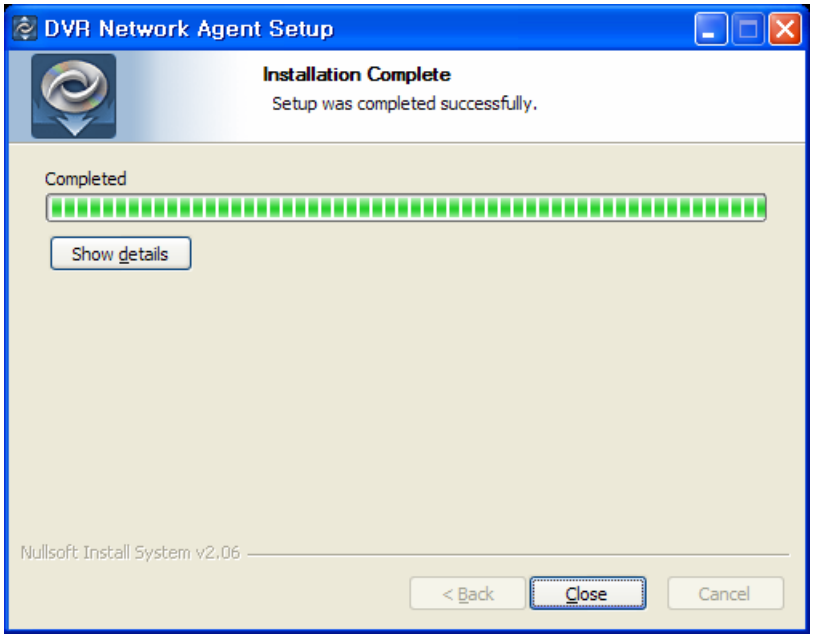
Step 7



When installation is successfully completed, click the [Close] button to exit the DNA Setup.

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Chapter 3. How to set DNA

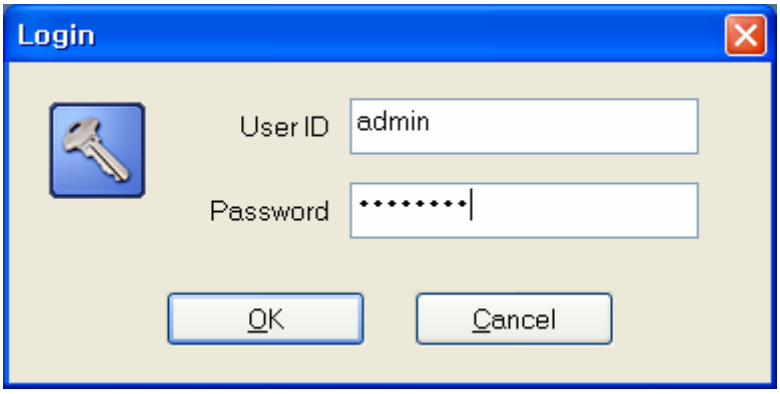
Describes DNA Configuration related method how to use.

0. Program Run

① Double-click (DNA.exe) to run DNA program.

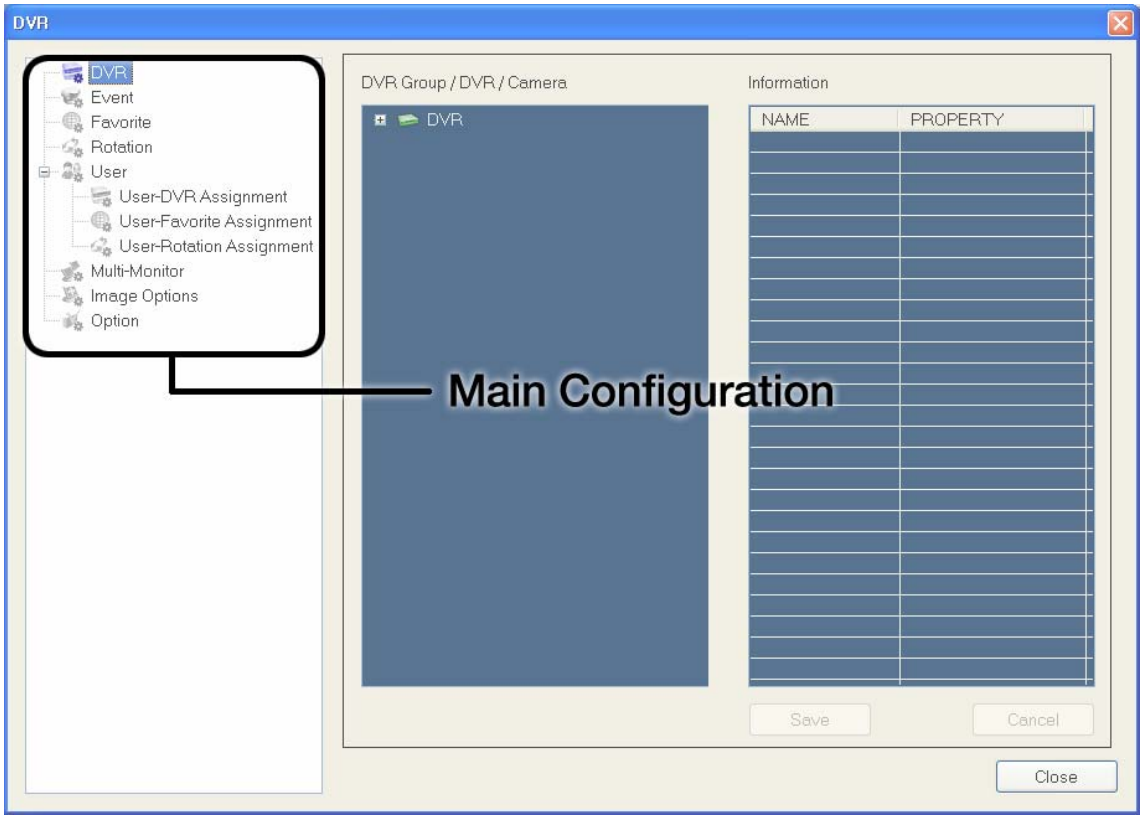
① Select the [Login/Logout ( )] button.

② Enter User ID/Password. (Default values are User ID: admin, Password: 00000000.)



③ Once you log in to DNA, you can use [Config ( )], [Rotation( )], [Login/Logout( )] buttons.

④ Click [Config ( )] button to set DNA environment.



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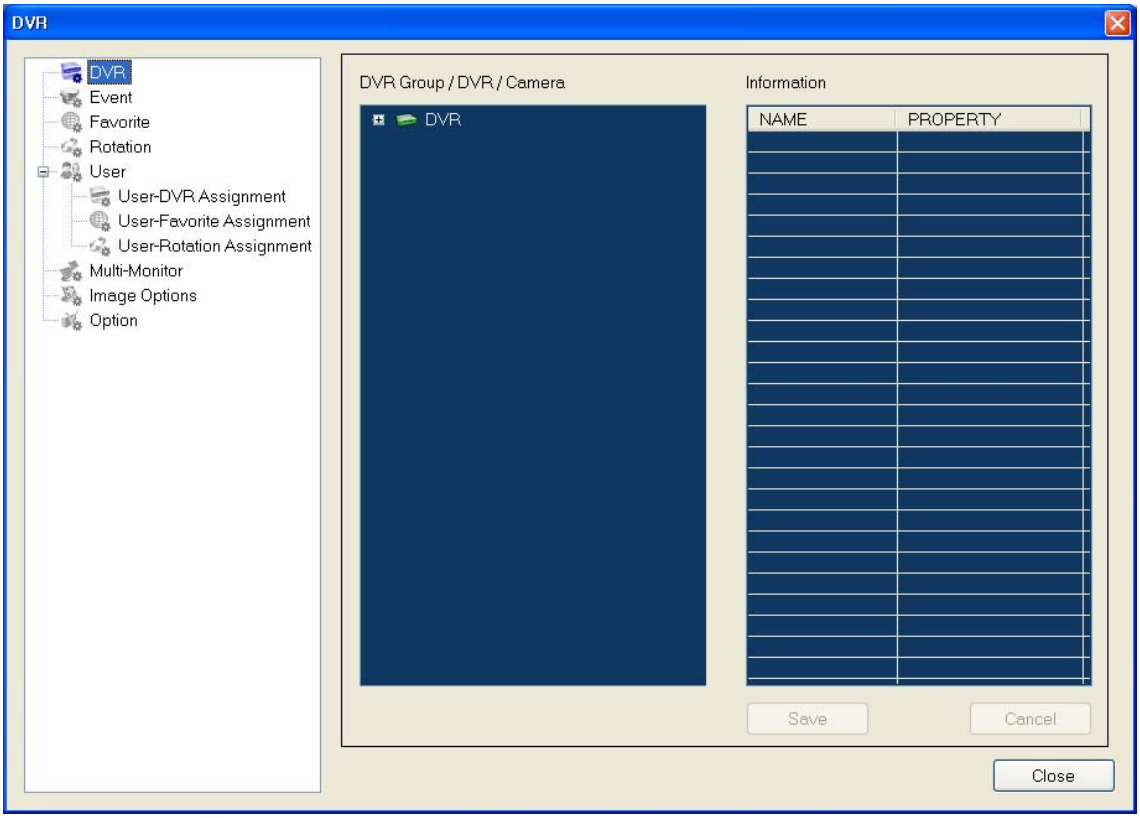
1. Configuration

(1) DVR Configuration

Adds/Deletes/Edits DVR to be managed by DNA.

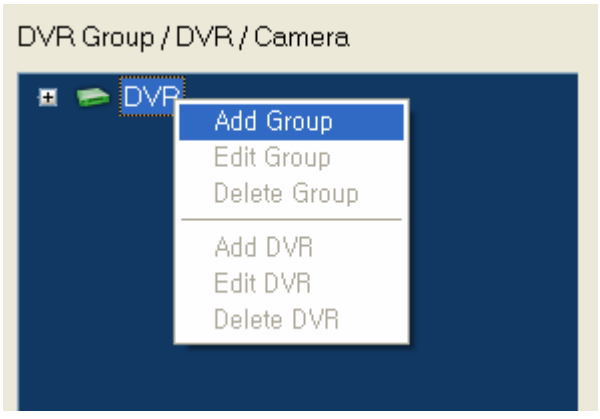
(a) Add DVR

① Select DVR from [Main Configuration] tree.



② Select DVR( ) from [DVR group / DVR / Camera] tree.

③ Click the right mouse button for a pop-up, and select <Add Group> and enter Group Name from the pop-up menu (hereinafter called the “Pop-up Menu”).



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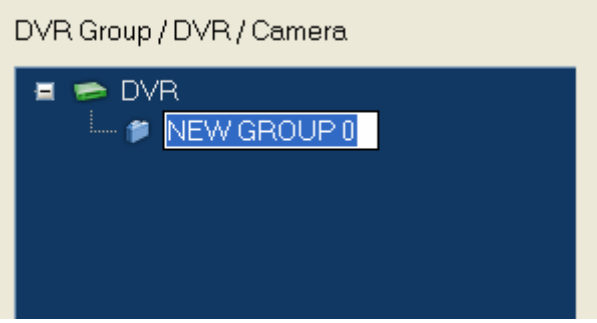
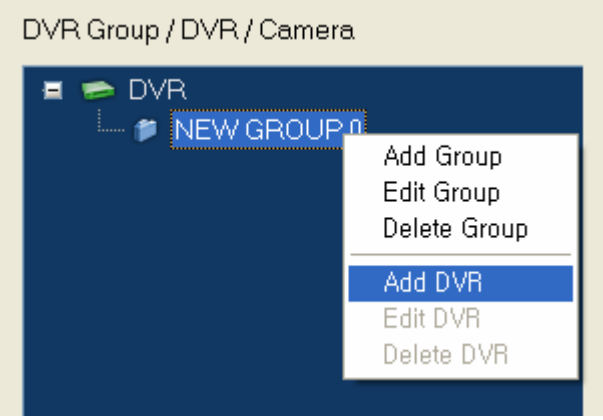
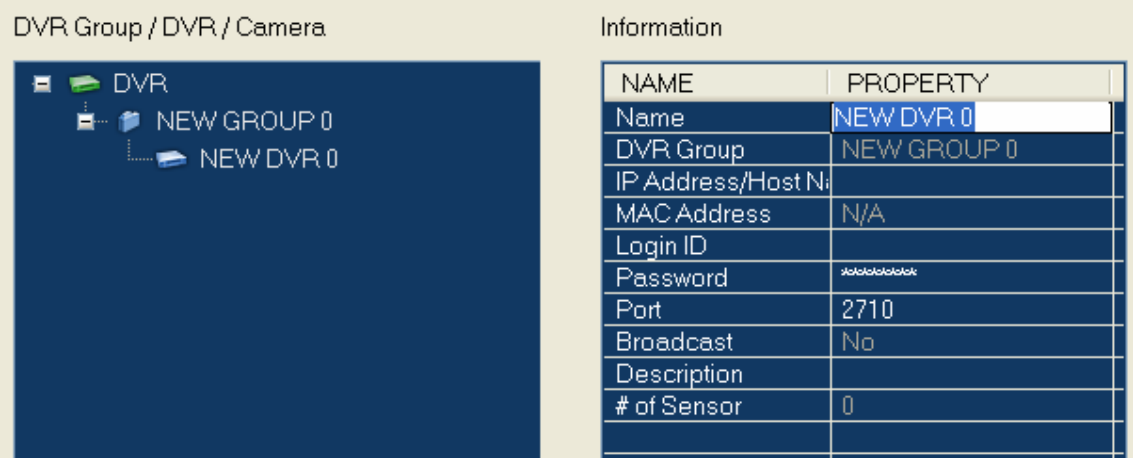


④ Select Group item and choose <Add DVR> from the Pop-up Menu



⑤ Enter Name, IP Address/Host Name, Login ID, Password, Port, Description in the [Information] list and click the [Save] button.



※ Notes

- Do not use special character for DVR Name.
- If you use special character for DVR Name, there may be error occurred in some file creation function.

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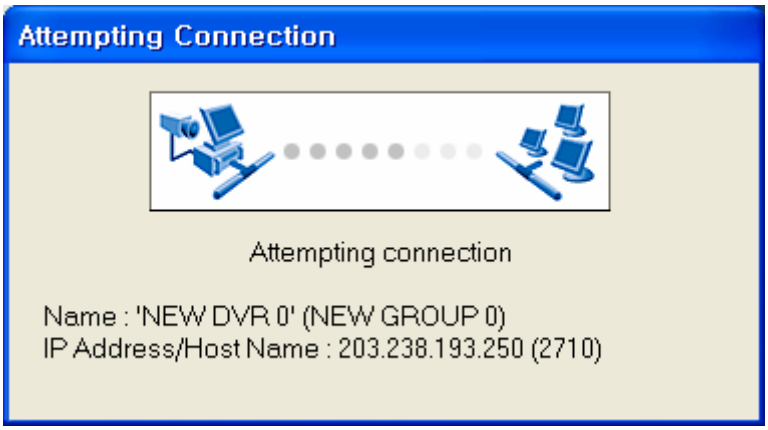
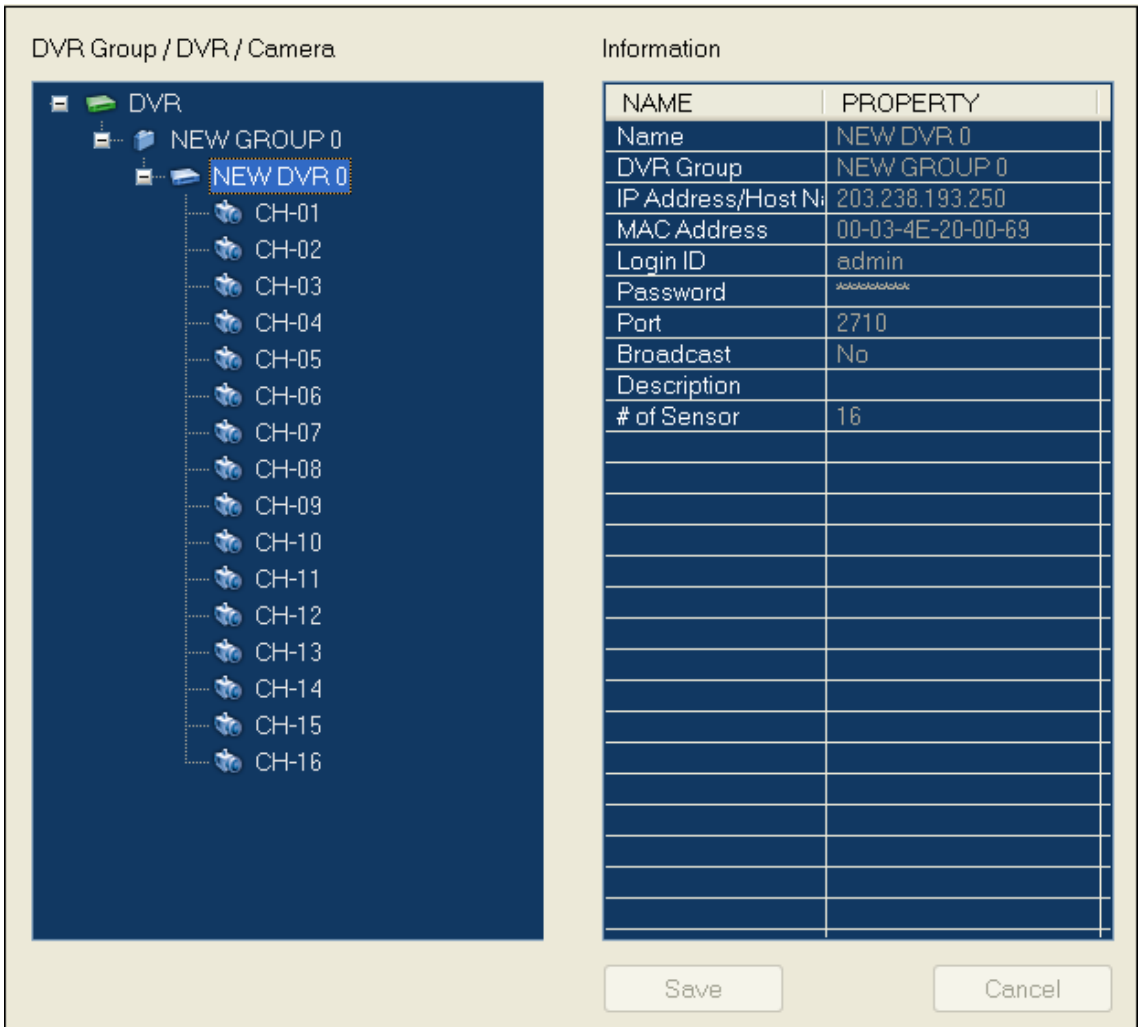
⑥ Do attempt to connect to DVR.



If connected to DVR, then the MAC Address of DVR and the number of Sensors in the [Information] list, and Camera items of DVR connected to the [DVR Group / DVR / Camera] tree will be created.



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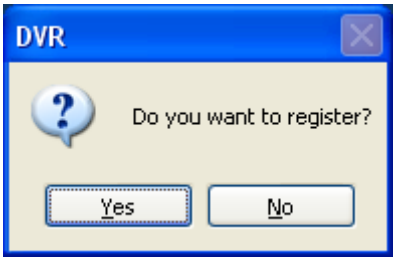
If you cannot connect to DVR, there is an error message and another message checking if you would register DVR that is not connected.



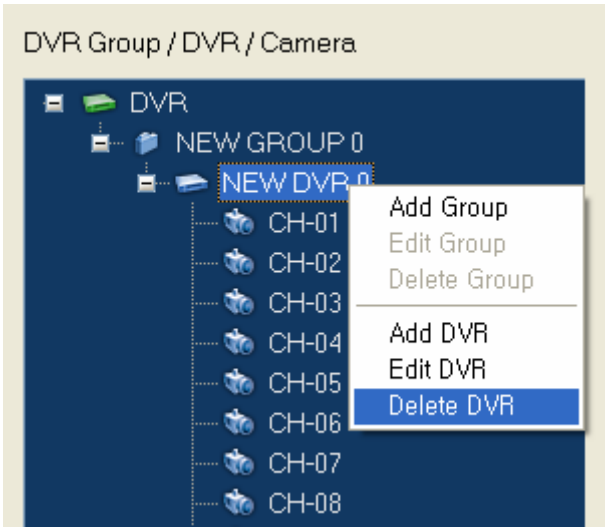
Click [Yes] to register DVR information. If you choose [No], you can change the setting.

※ Notes

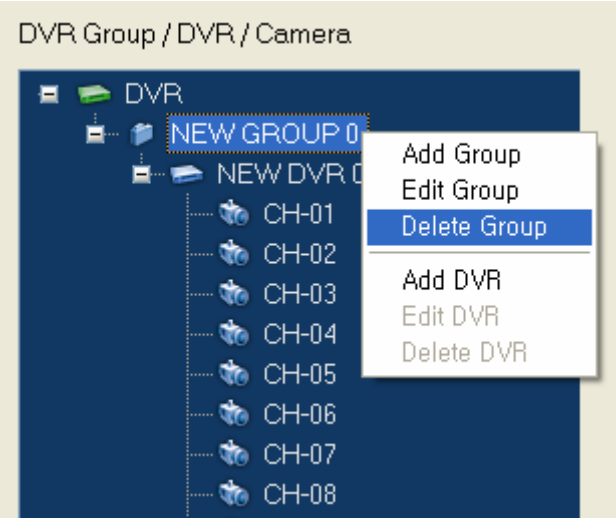
- Referring to the error message occurred when not being connected, you have to enter correct information for DVR connection.
- Since Event, Rotation settings are based on the MAC Address of DVR connected, some problem may occur when setting additional functions, if you register a disconnected DVR.

(b) Delete DVR

① Select the DVR item to be deleted, and then choose <Delete DVR> from the Pop-up Menu to delete.



② To delete all DVRs in the Group, select Group item and choose <Delete Group> from the Pop-up Menu.

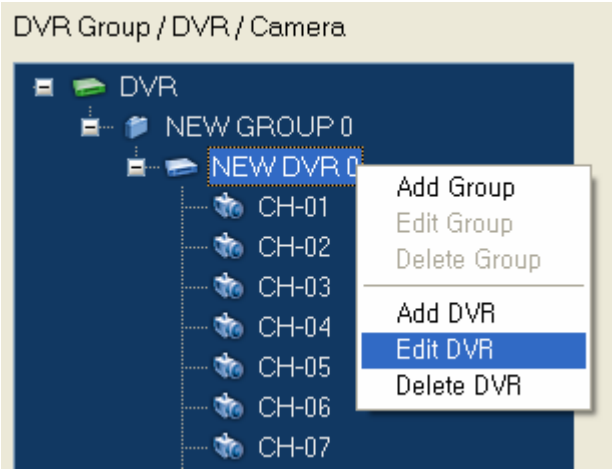


※ Notes

- If you delete DVR, it will be deleted from all Favorites and Rotations referring to the DVR deleted.
- Be careful with deleting, because the DVR information deleted cannot be recovered.

(c) Edit DVR

① Select the DVR item you want to change the information for DVR connection, and then choose <Edit DVR> from the Pop-up Menu.



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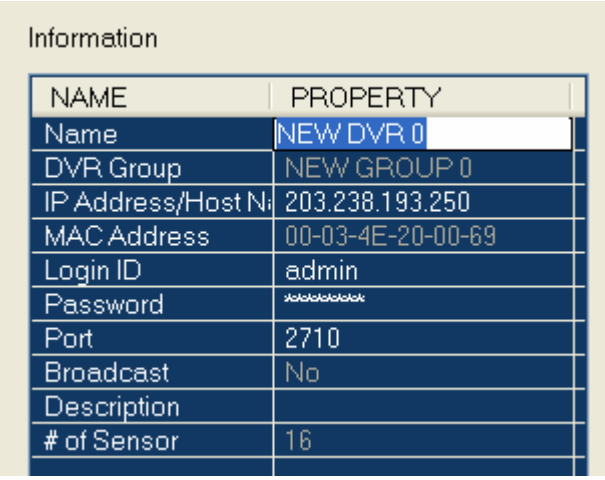
② Reset the item desired to edit in the [Information] list.



③ If you press the [Save] button, connecting to DVR is attempted in the same process of registration by using the information changed. When DVR is connected, the information changed will be reflected to create Camera items and to display MAC Address and the number of Sensors in the [Information] list.

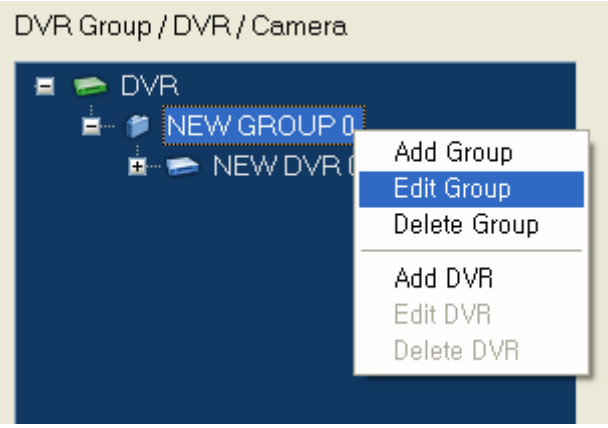
④ If you click the [Cancel] button, the information to change won't be applied.

※ Notes

- If you change DVR information, all of Favorite and Rotations referring to the DVR information will be changed.

(d) Edit Group

① To change Group Name, select Group item and choose <Edit Group> from the Pop-up Menu.



② Enter Group Name.

③ All the Group information of DVR under the Group changed will be changed.

④ To move the DVR Group registered, select DVR and move to the desired Group

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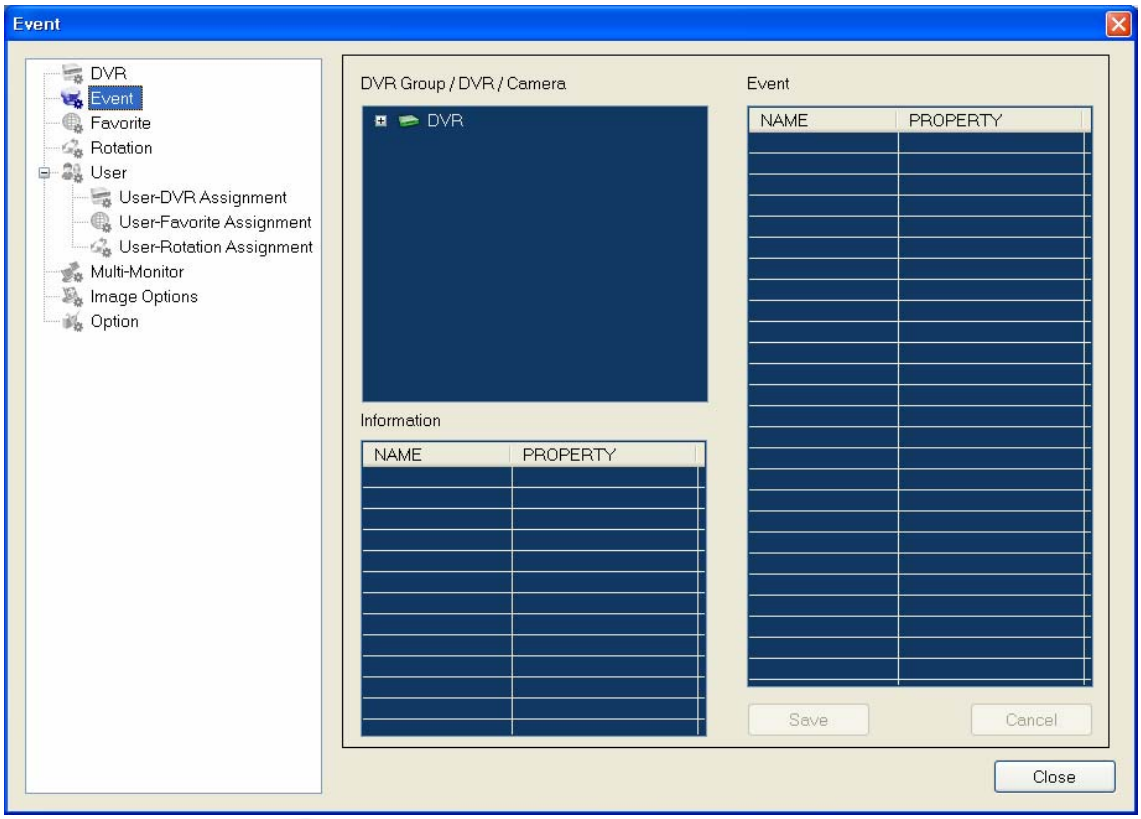
item by pressing and holding the left mouse button, and then release it (hereinafter referred to as “Drag-n-Drop”).

(2) Event Configuration

Set the DNA action to DVR Event.

(a) Setting Event of DVR belonging to Group

Sets Events of All DVRs included in Group in the same way.



① Select Event( ) from the [Main Configuration] tree.

② Select the Group item to set Event from the [DVR Group / DVR / Camera] tree.

③ Select <Setup Event> from the Pop-up Menu.

④ Set and enter Sensor/Motion/Camera Loss/System Warning in the [Event] list and click the [Save] button.

a. Event View: Option to set up whether to output the appropriate image when

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Event occurs (On/Off)

b. Duration: The duration of image output when Event occurs

c. Beep: Option to set up whether a warning beep will sound or not when Event occurs (On/Off)

d. Linked Exe.: Executes the program being linked when Event occurs.

e. Exe. Parameters: Command Line Parameters of the program being linked when Event occurs

(b) DVR Event Setup

① Select Event from the [Main Configuration] tree.

② Select DVR item to set Event from the [DVR Group / DVR / Camera] tree.

③ Select <Setup Event> from the Pop-up Menu.

④ The content of setup is the same as (a) Setting Event of DVR belonging to Group.

※ Notes

- To see Event screen by using the Event Live View setup, Duration value should be set to more than 0, while Event Screen to 'Use' for Multi-Monitor setup.
- If you specify Duration as too short, the image of Event Live View may not be displayed normally.
- Event Live View will be transferred to network and displayed, so there may be a time delay.
- In case of Motion Event, image will be displayed in 1-screen mode.
- All channels for Sensor, Camera Loss, System Warning are displayed as Event image.
- When changing setup to Group, the value of item won't be displayed if each of DVRs belonging to Group has a different setting value.
- Since Event Setup is based on the MAC Address, it will be set with the same value in case the same DVR is registered with other name.
- If Event is not set up from the Main Configuration tree, Event won't work. Event works only in the DVR logged in.

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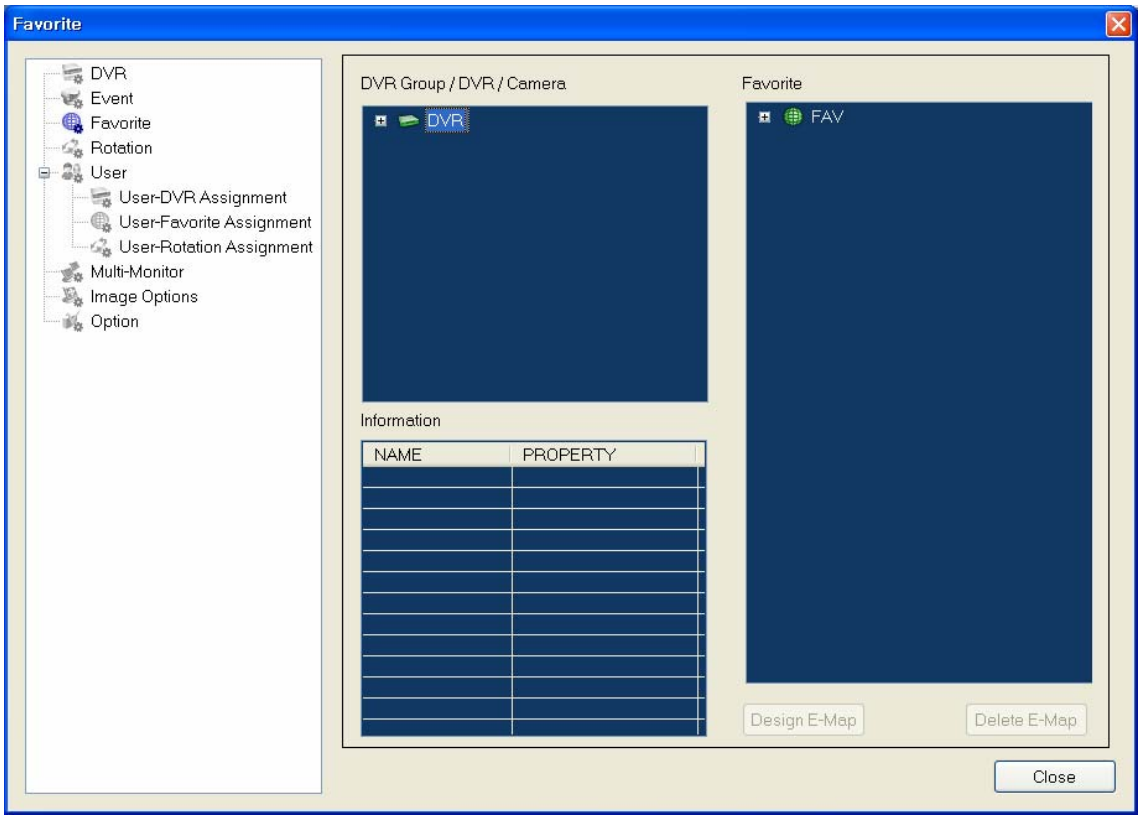
(3) Favorite Configuration

Configures Favorite and sets up E-Map.

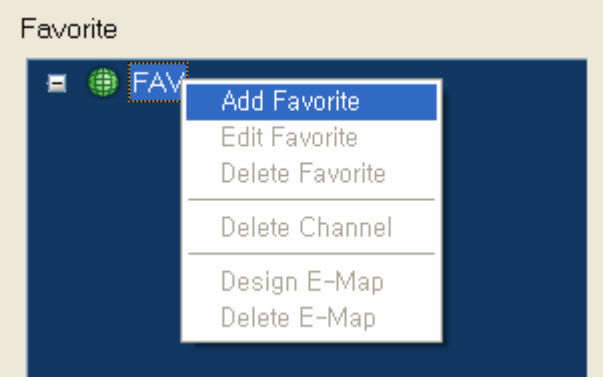


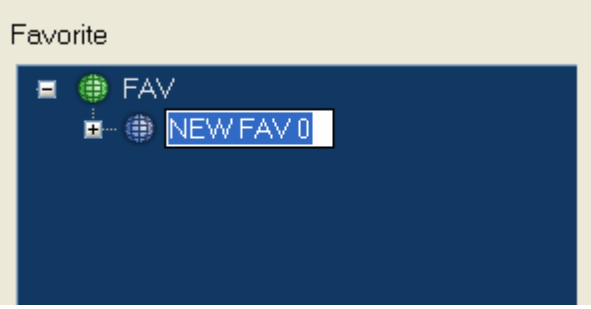
(a) Add Favorite

① Select Favorite ( ) from the [Main Configuration] tree.

② Select FAV item from the [Favorite] tree and choose <Add Favorite> from the Pop-up Menu. Enter the Favorite Name created.

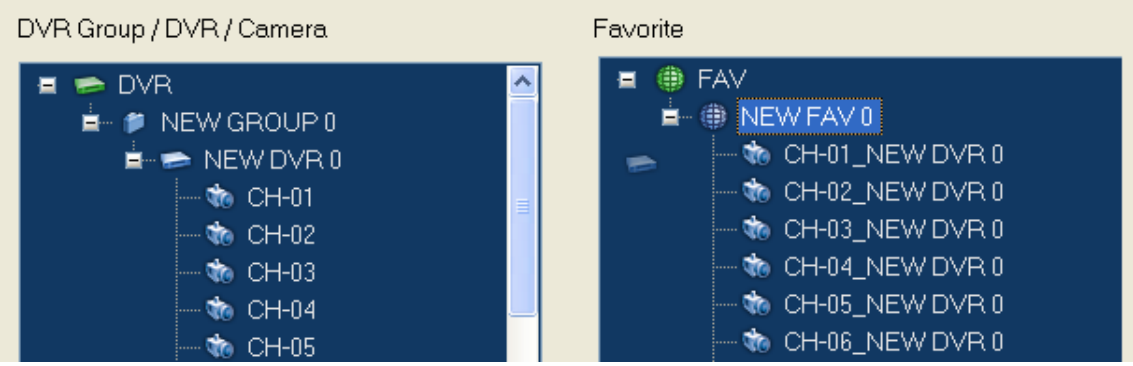
Channel items from 1 to 25 will be created under the Favorite item created.





③ Select DVR or Channel item you want to configure Favorite from the [DVR Group / DVR / Camera] tree.

④ Move the DVR or Channel item selected to the Channel number on the [Favorite] tree by Drag-n-Drop.



⑤ The Channel item of Favorite will be changed to Channel Index and DVR Name.

⑥ Configures Channel items of Favorite from several DVRs repeatedly.

※ Notes

- For Favorite's Channel item, the same channel cannot be configured in multiple items.
- Favorite's Channel item consists of the MAC Address of DVR and Channel Index. Therefore, even in case the same DVR is registered in multiple numbers, it will be recognized as the same Channel if the MAC Address of DVR and Channel Index are the same.
- If you configure the same Channel in Favorite, the Channel information set previously will be deleted.

(b) Edit Favorite

① Select Favorite item desired to edit and choose <Edit Favorite> from the Pop-up Menu.

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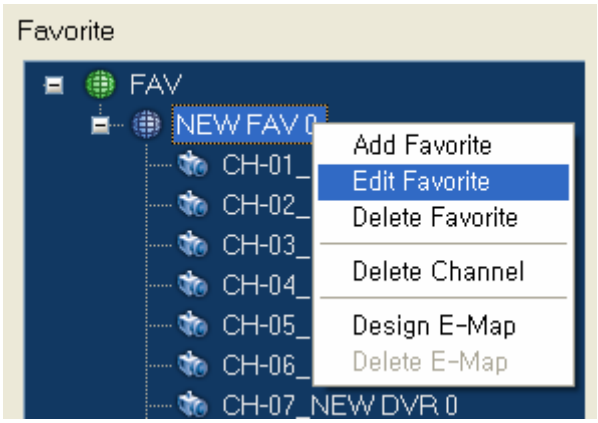
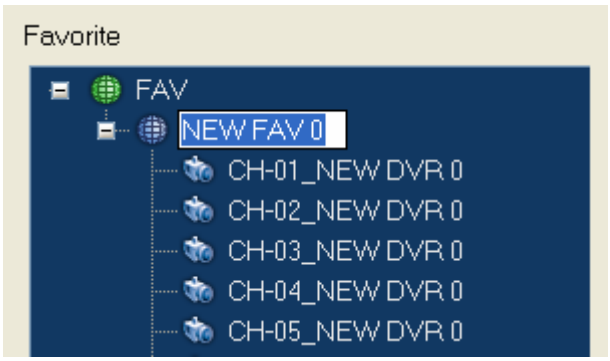
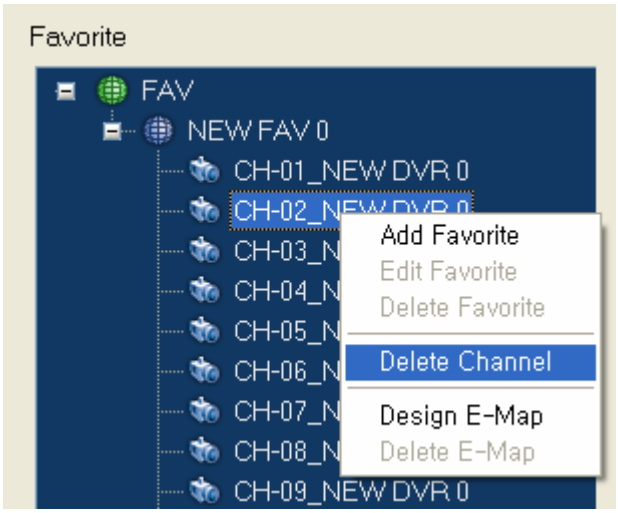


② Set Favorite Name.



③ To delete Channel item of Favorite set, select Channel item and enter Delete key or select <Delete Channel> from the Pop-up Menu.



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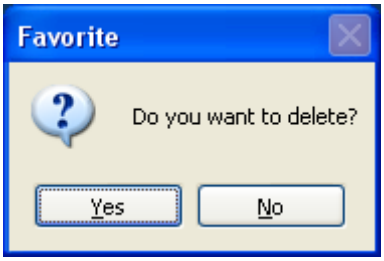
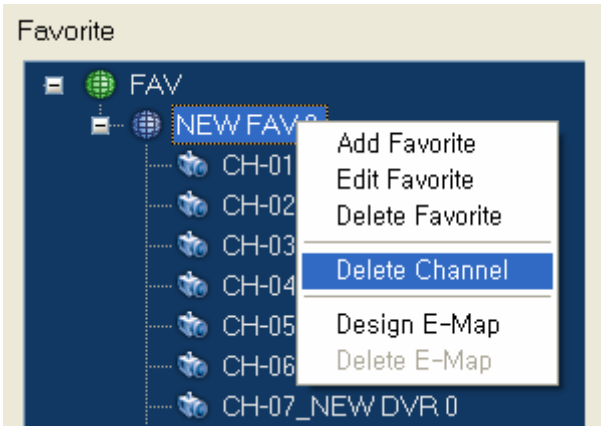
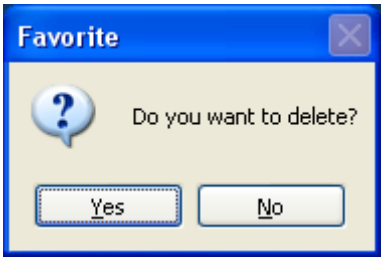


If you click [Yes], then the Channel selected will be deleted.

④ To delete all Channels set in Favorite, select Favorite item and enter Delete key or select <Delete Channel> from the Pop-up Menu.

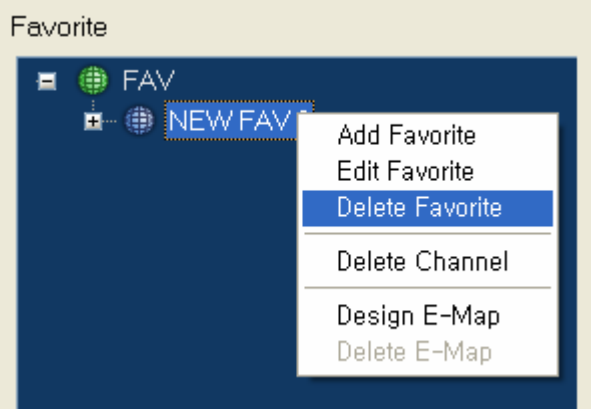




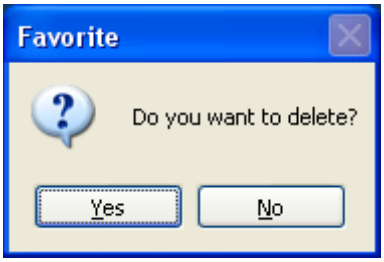
If you click [Yes], then all Channels configured in Favorite will be deleted.

(c) Delete Favorite

① Select Favorite item you want to delete and choose <Delete Favorite> from the Pop-up Menu.



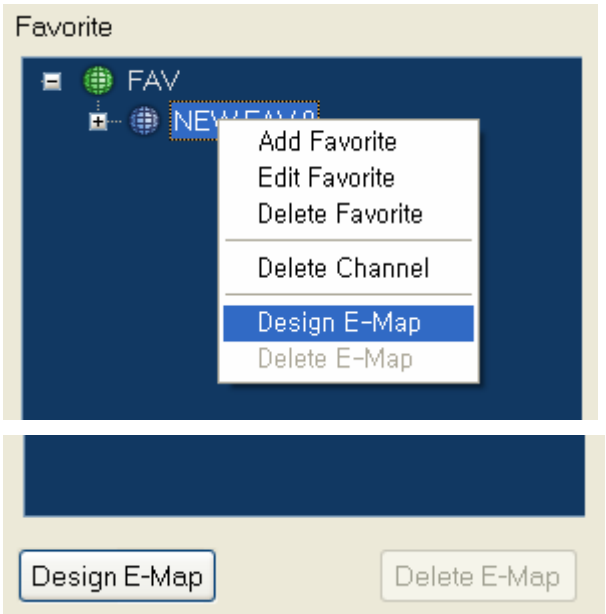
② If you click [Yes] from a confirmation message, then Favorite will be deleted.



(d) Design E-Map

① Favorite item can configure E-Map.

To set E-Map, select Favorite item and choose <Design E-Map> from the Pop-up Menu or select the [Design E-Map] button.



② From "E-Map Editor", the Camera registered in Favorite item is displayed as an icon.

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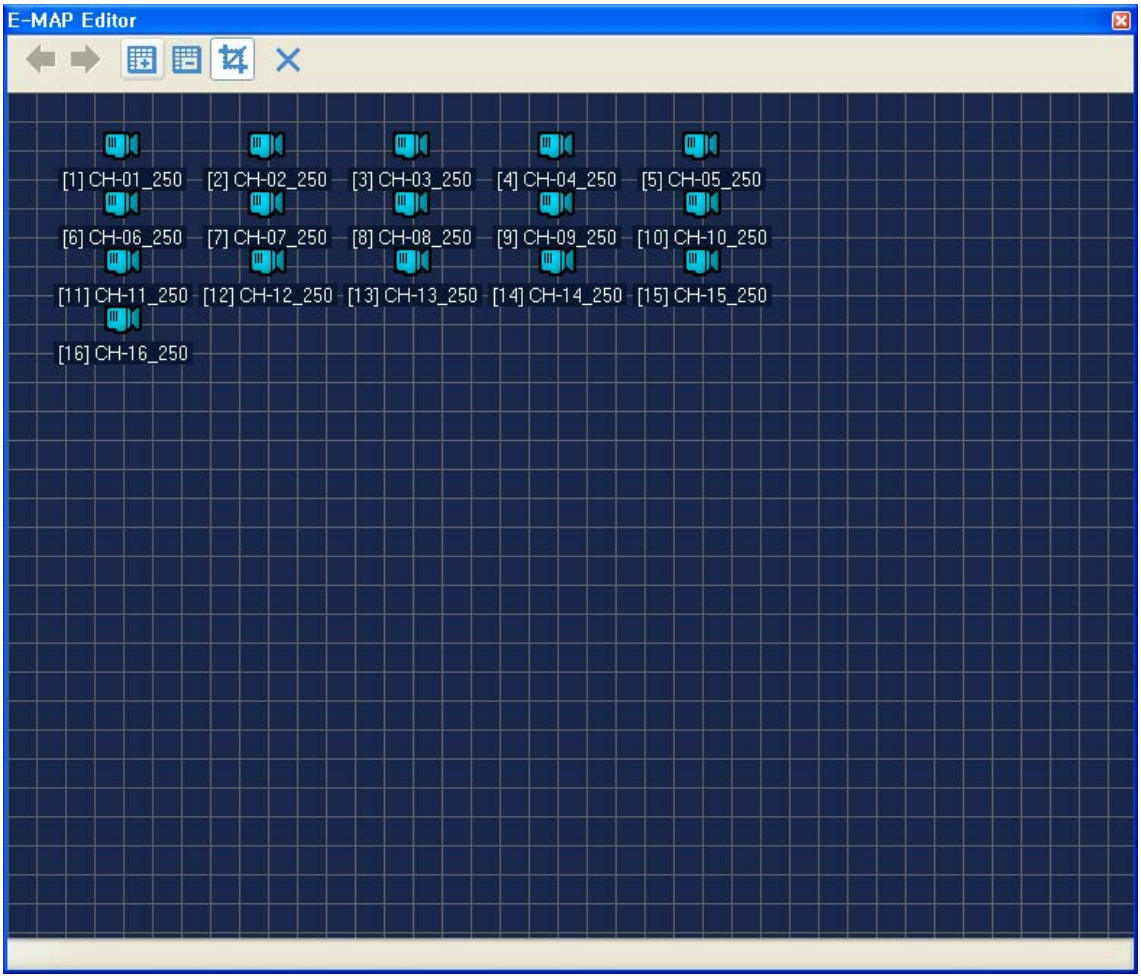

③ Click on the [Load E-Map Image( )] button to select a picture to be used in E-Map.

※ Notes

- The recommended size of image used in E-Map is 714 pixels wide, 486 pixels high (714x486).

④ E-Map icon functions

Previous E-Map	Move to the previous E-Map screen linked
Next E-Map	Move to the next E-Map screen linked
Load E-Map Image	Loading E-Map image

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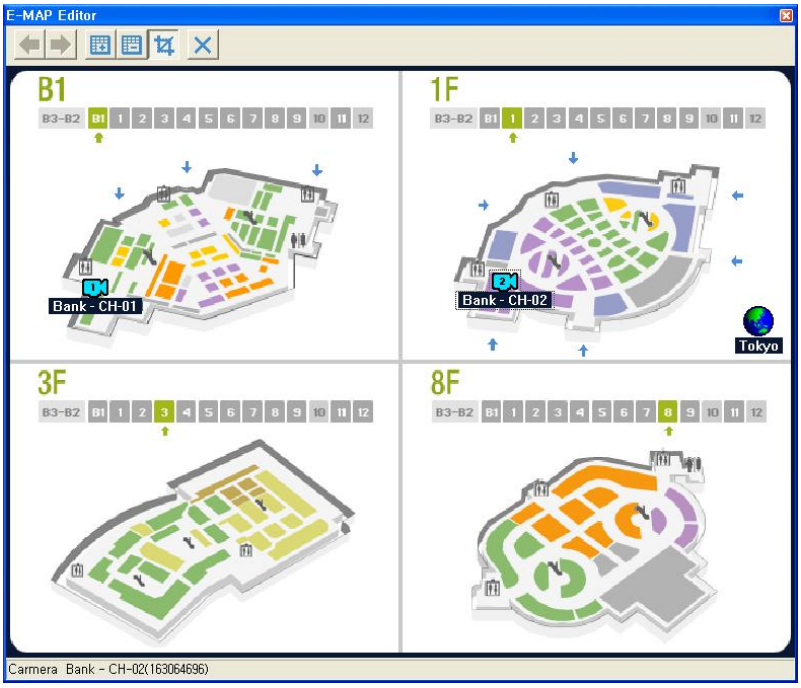
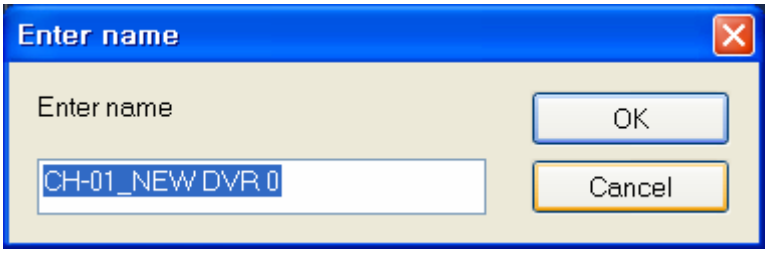
Delete E-Map Image	Deletes E-Map image
Scaling	Automatic image size control
Close	Closes the E-Map Editor

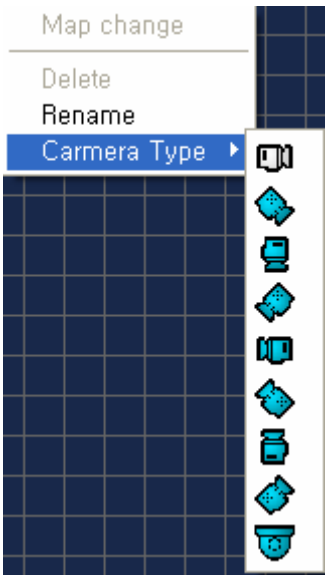
⑤ Select Camera icon from "E-Map Editor" to move to the location desired to be set on E-Map.



⑥ Select Camera icon and choose <Rename> from the Pop-up Menu to change Camera Name.



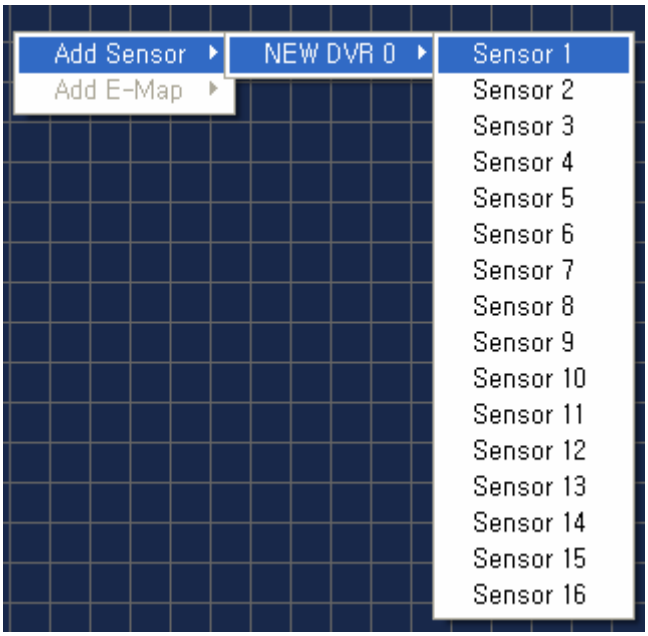
⑦ Select Camera icon and choose <Camera Type> from the Pop-up Menu to move Camera direction or change to the Dome Camera icon.



⑧ If you select Camera icon, then DVR Name including the Camera selected, Camera No. and Camera Name changed will be displayed on the Status Bar at bottom of screen.

(e) Add Sensor on E-Map

① In the "E-Map Editor", select <Add Sensor> from the Pop-up Menu.



② Select DVR Name and Sensor No. to add Sensor.

③ Select Sensor icon from the "E-Map Editor" to move it by Drag-n-Drop

④ Select Sensor icon and choose <Rename> from the Pop-up Menu to change Sensor Name.

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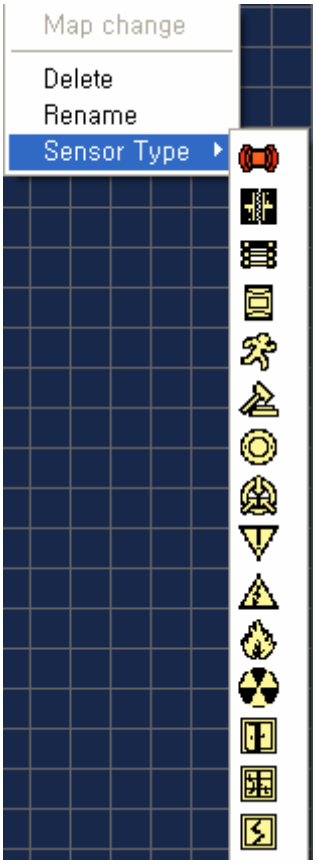
⑤ Select Sensor icon and choose <Sensor Type> from the Pop-up Menu to change Sensor icon.



※ Notes

- Even if you change Camera, Sensor, E-Map Name from the E-Map, DVR Channel Name and Favorite Channel Name won't be changed.

(f) Add other E-Map links on E-Map

① In the "E-Map Editor", select <Add E-Map> from the Pop-up Menu.

② E-Map icon( ) linked will be created.

③ Double click on the E-Map icon or select <Move E-Map> from the Pop-up Menu to move to the appropriate E-Map.

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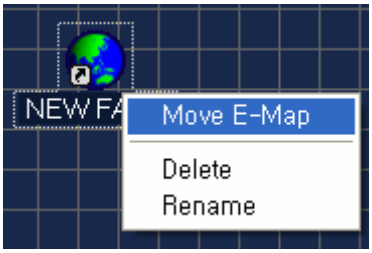

④ You can move to previous/next E-Map by using [Previous E-Map( )], [Next E-Map( )] buttons.

⑤ Select the E-Map icon linked and choose <Rename> from the Pop-up Menu to change the E-Map Name linked.

⑥ Select the E-Map icon linked and choose <Delete> from the Pop-up Menu to delete the link.

⑦ Save the setup and close by clicking the [Close ( )] button.

(g) Delete E-Map

① Select <Delete E-Map> from the Pop-up Menu of Favorite item or choose the [Delete E-Map] button.

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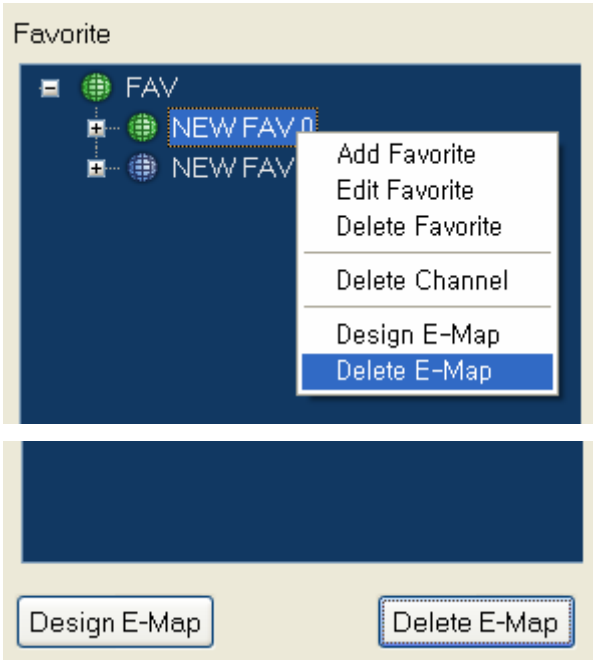
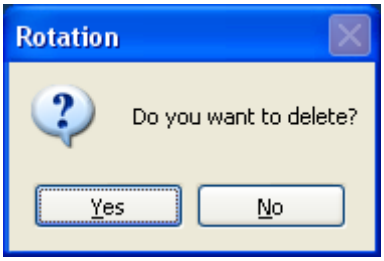


② Click [Yes] from a confirmation message to delete E-Map information.

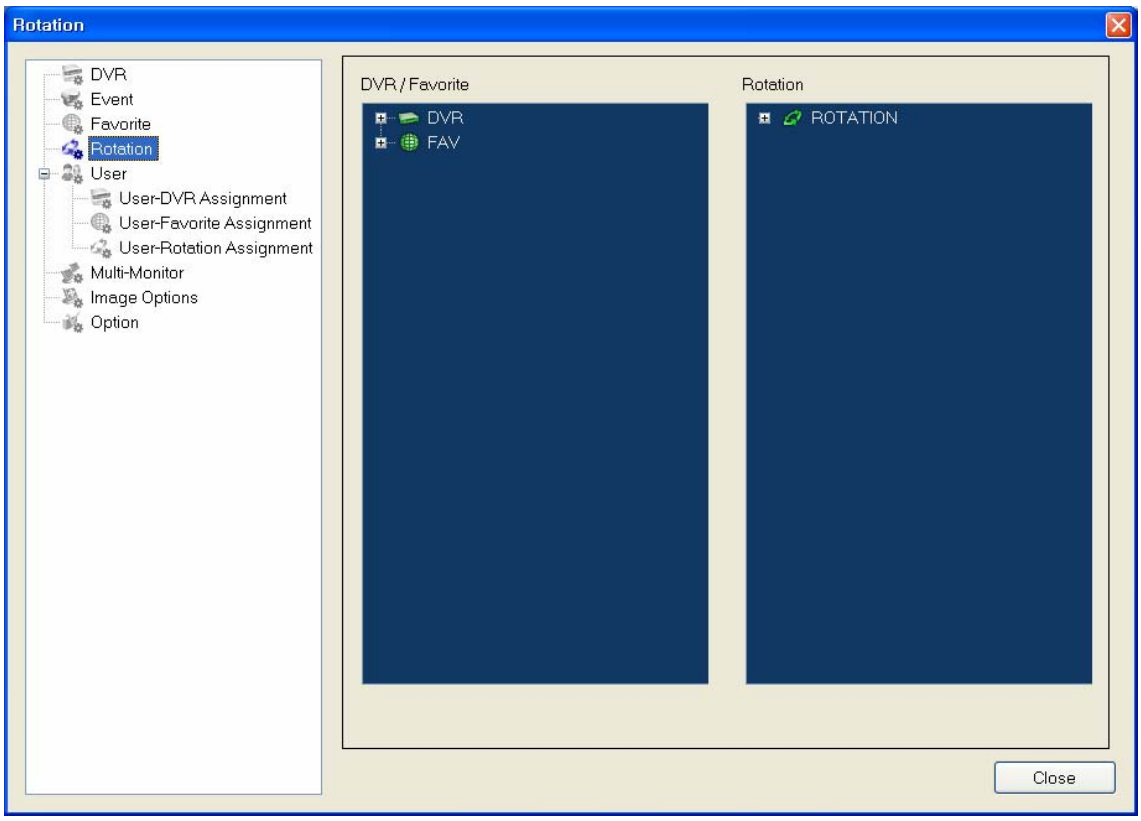


※ Notes

- [Delete E-Map] function is to delete the image using E-Map only, so Favorite configuration or Camera, Sensor, the location information of E-Map icon linked may not be deleted.
- To delete Camera, Sensor, and E-Map icon linked, delete the appropriate Favorite channel.

(4) Rotation Configuration

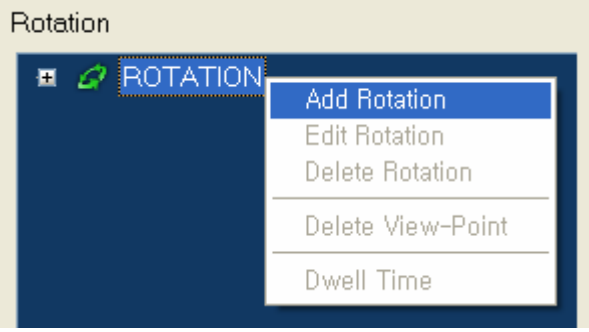
Sets Rotation to be monitored regularly.



(a) Add Rotation

① Select Rotation( ) from the [Main Configuration] tree.

② Select Rotation item from the [Rotation] tree, choose <New Rotation> from the Pop-up menu, and then enter Rotation Name.



③ At the [DVR / Favorite] tree, configure View Point to be used for Rotation. View Point can consist of the entire screen of DVR, 1 Channel screen of DVR and the entire screen of FAV.

(You can configure 4-screen, 9-screen modes by using Favorite.)

Select View Point item (DVR, Channel, Favorite) and move to Rotation item of [Rotation] tree.

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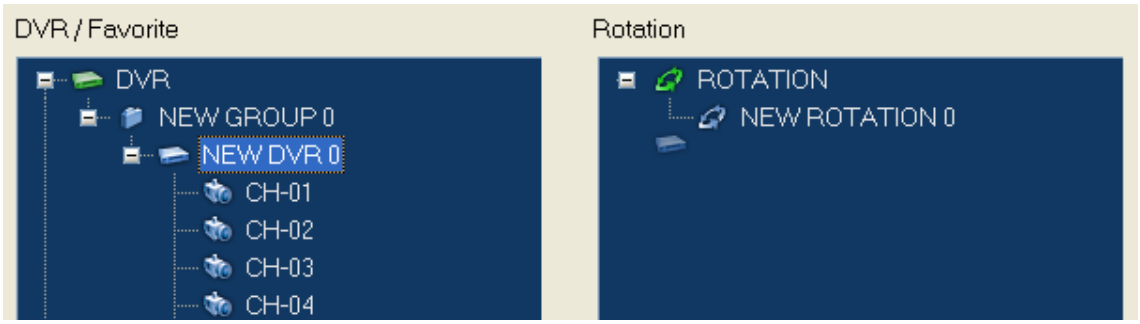
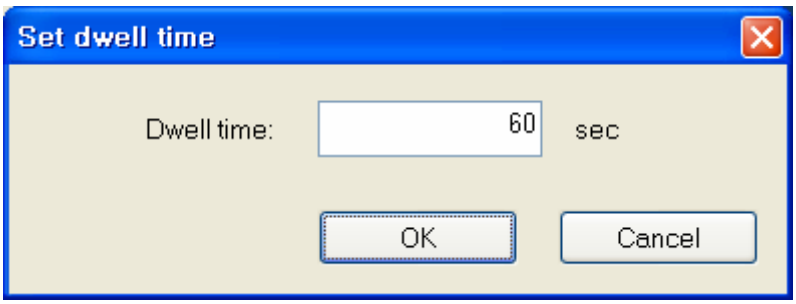
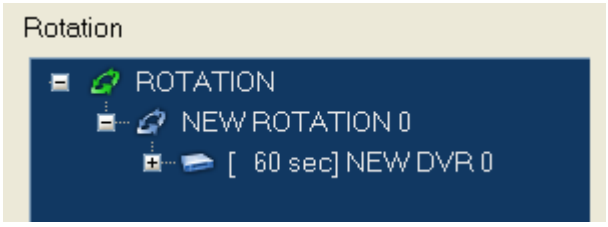


④ Enter the time to pause View Point image in “Set dwell time”.



⑤ When View Point is configured, Dwell time and View Point configuration will be displayed.



※ Notes

- 1-Channel View Point configuration is applied only when a Channel is selected from the [DVR] tree.
- 4, 6, 9, 16, 26-screen configuration is possible with several DVR Channels by using Favorite.
- The order of View Point can be changed depending on the location of Drag-n-Drop.
- If Dwell time is set too short, View Point image may not be output properly.

(b) Delete Rotation

① Select Rotation item and choose <Delete Rotation> from the Pop-up Menu.

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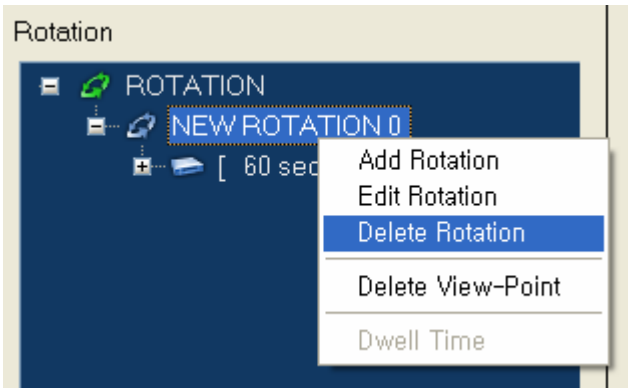
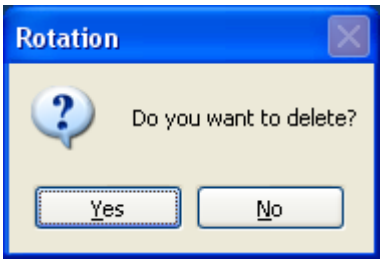
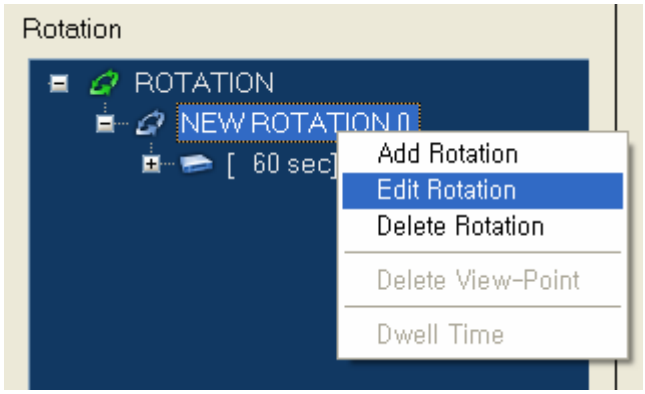


② Click [Yes] from a confirmation message to delete Rotation item.



(c) Edit Rotation Name

① Select Rotation item and choose <Edit Rotation> from the Pop-up Menu.



② Enter Rotation Name.

(d) Edit Dwell Time of View Point

① Select View Point from which you want to change Dwell Time and choose <Dwell Time> from the Pop-up Menu.

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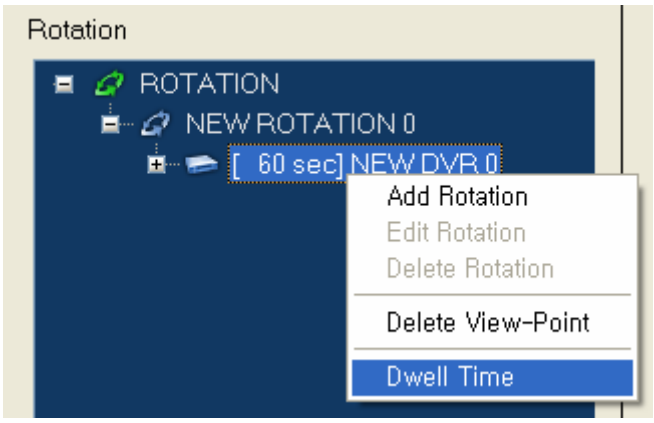
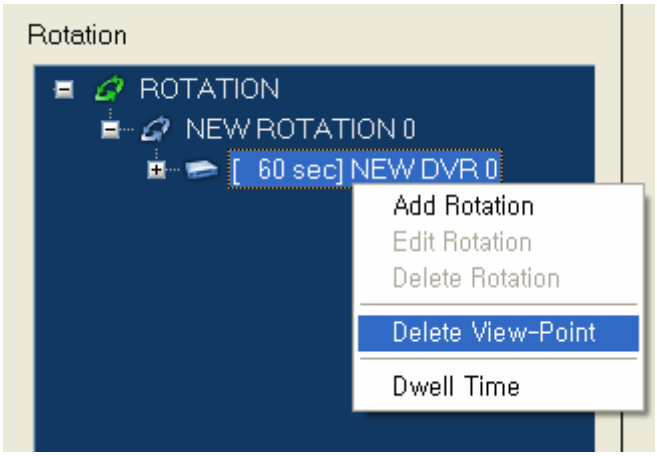


② In the "Set dwell time" menu, enter the time desired to be changed to.

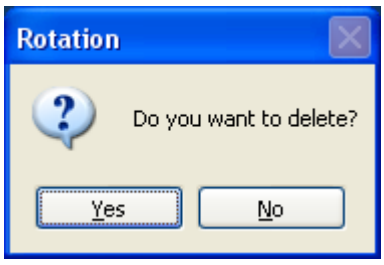
③ The time of View Point item will be changed.

(e) Delete View Point

① Select View Point and choose <Delete View-Point> from the Pop-up Menu or enter Delete key.

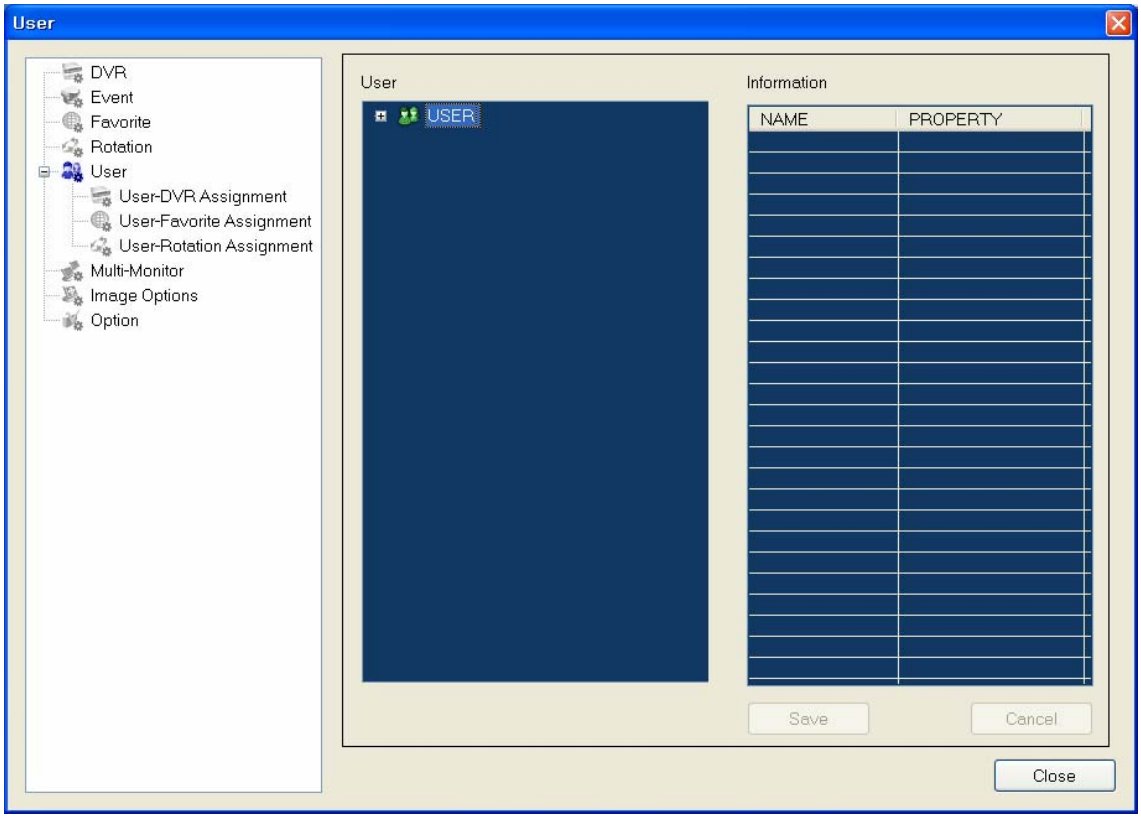


② Click [Yes] from a confirmation message to delete View Point.



(5) User Configuration

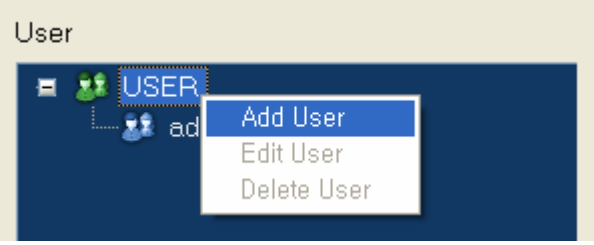
Sets the user of DNA program.



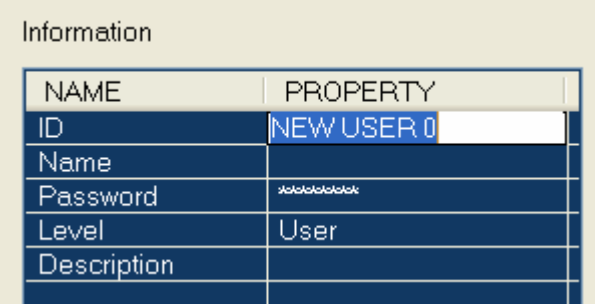
(a) Add User

① From the [Main Configuration] tree, select User( ).

② Select User item from the [User] tree and choose <Add User> from the Pop-up Menu.



③ Set the User information (Property) in the [Information] list.



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ID	DNA Login ID
Name	User name
Password	DNA Login Password
Level	User / Manager
Description	User description

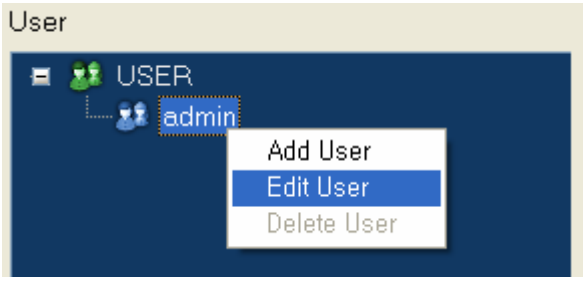
④ Enter User information (Property) and click [Save] button.

※ Notes

- The ID information of User is essential information to be entered.
- For Manager Level, all of Configuration functions are available, while some functions only available for User Level.
- User Level is irrelevant to DVR authority.

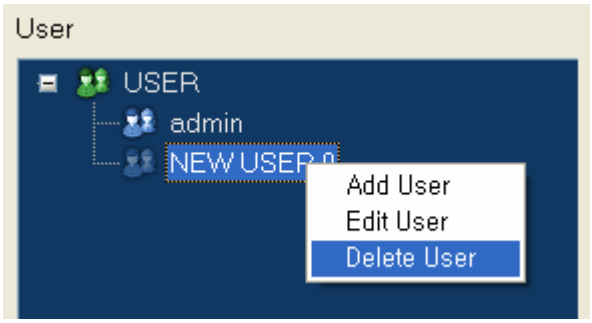
(b) Edit User Information

① Select User item from the [User] tree and choose <Edit User> from the Pop-up Menu.



(c) Delete User

① Select User item from the [User] tree and choose <Delete User> from the Pop-up Menu to delete User information.



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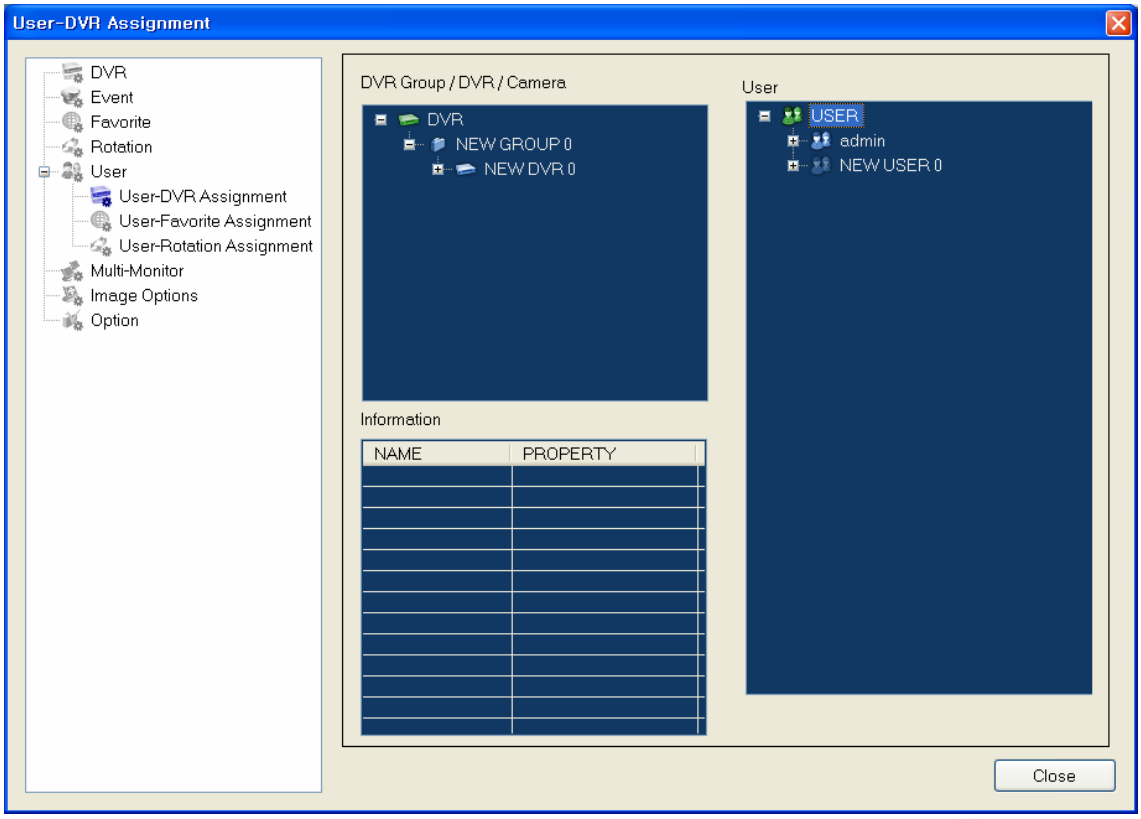
※ Notes

- 'admin' ID cannot be deleted nor changed to User Level.
- The current User cannot be changed to User Level.
- The User at User Level can set some part only from Multi-Monitor, Image Option, Option Configuration.

(6) User DVR Assignment

Assign DVR to allow DNA user to access.



① From the [Main Configuration] tree, select User-DVR Assignment( ).

② Select Group or DVR item to be assigned to User from the [DVR Group / DVR / Camera] tree.

③ Move to User item (ID) by Drag-n-Drop.

④ Group or DVR item will be assigned to User item (ID) of the [User] tree.

(7) User Favorite Assignment

Assigns Favorite to allow DNA User to access.

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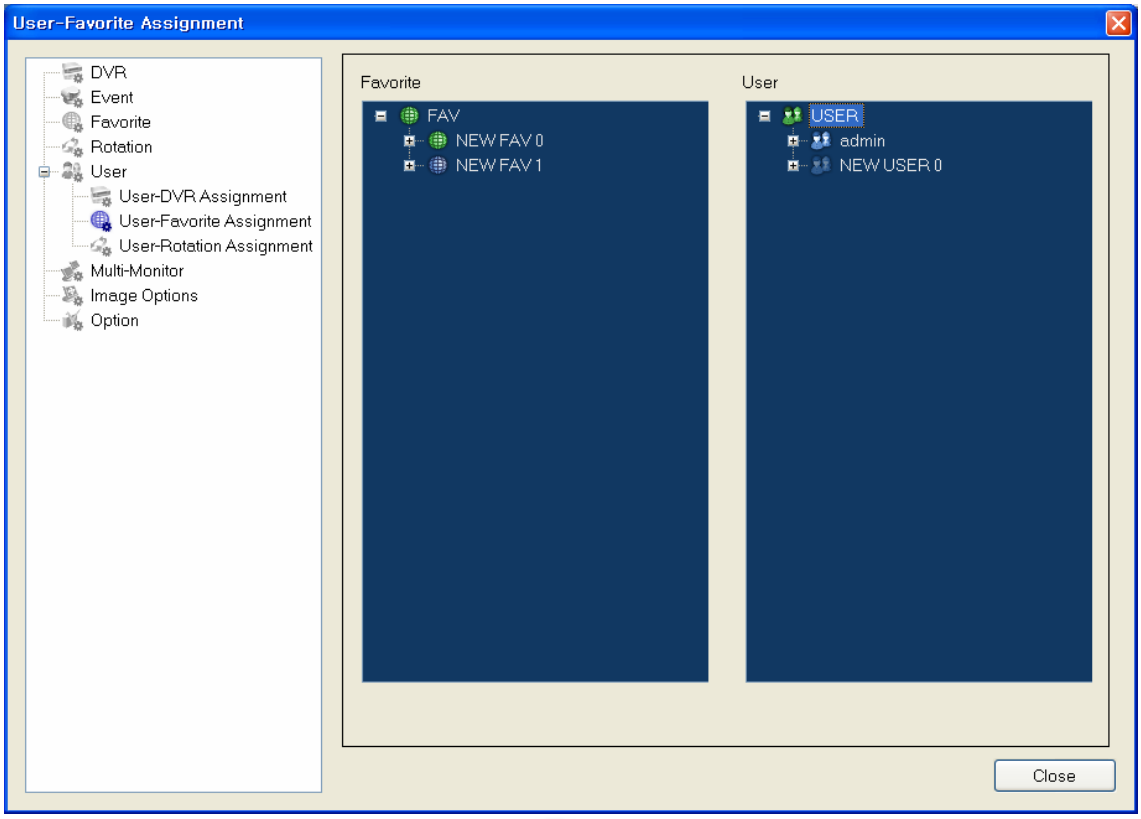

① Select User-Favorite Assignment( ) from the [Main Configuration] tree.

② From the [Favorite] tree, select Favorite item to be assigned to User.

③ Move to User item (ID) by Drag-n-Drop.

④ Favorite item specified will be assigned to User item of the [User] tree.

(8) User Rotation Assignment

Assigns Rotation allowed for DNA User.

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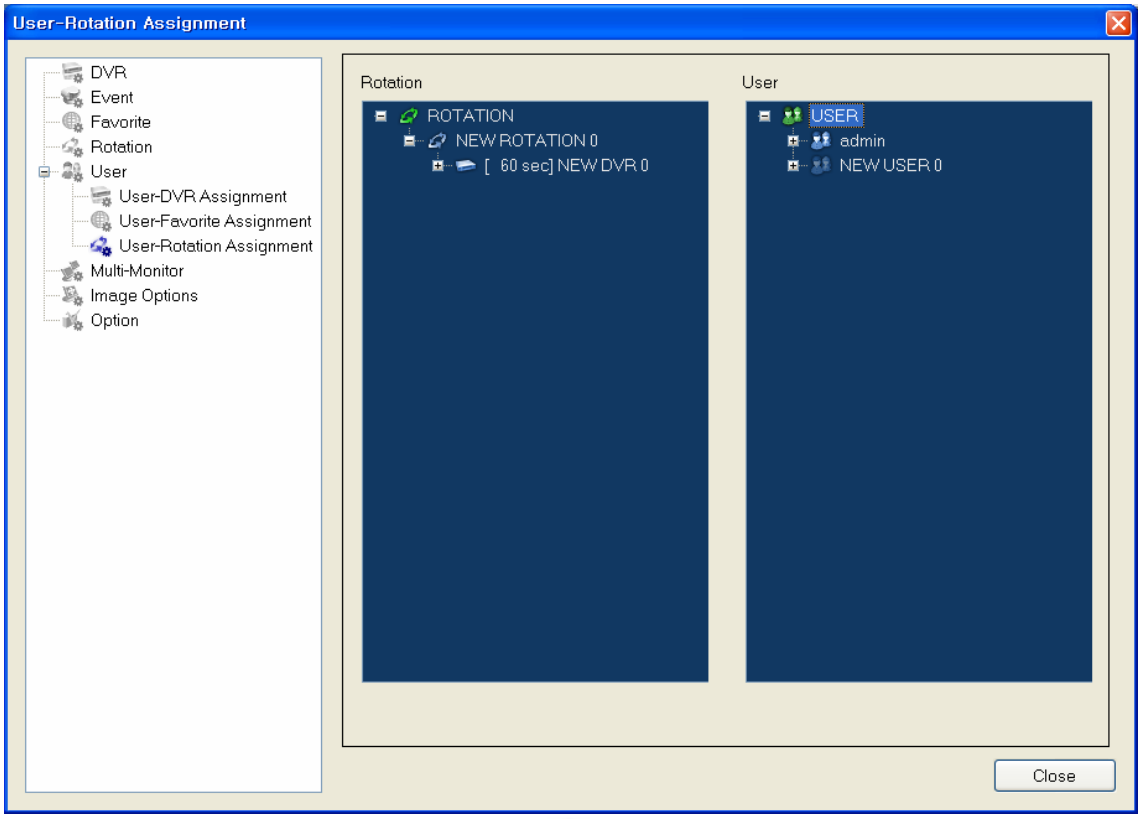

① Select User-Rotation Assignment( ) from the [Main Configuration] tree.

② Select Rotation item to be assigned to User from the [Rotation] tree.

③ Move to User item (ID) by Drag-n-Drop

④ Rotation item specified will be assigned to User item (ID) of the [User] tree.

※ Notes

- If the View Point of Rotation to be assigned to User is not configured with DVR or Favorite assigned to User, Rotation function cannot be normally used.

(9) Multi-Monitor Configuration

Sets Event or Rotation to be displayed on each monitor when using the Multi-Monitor function.

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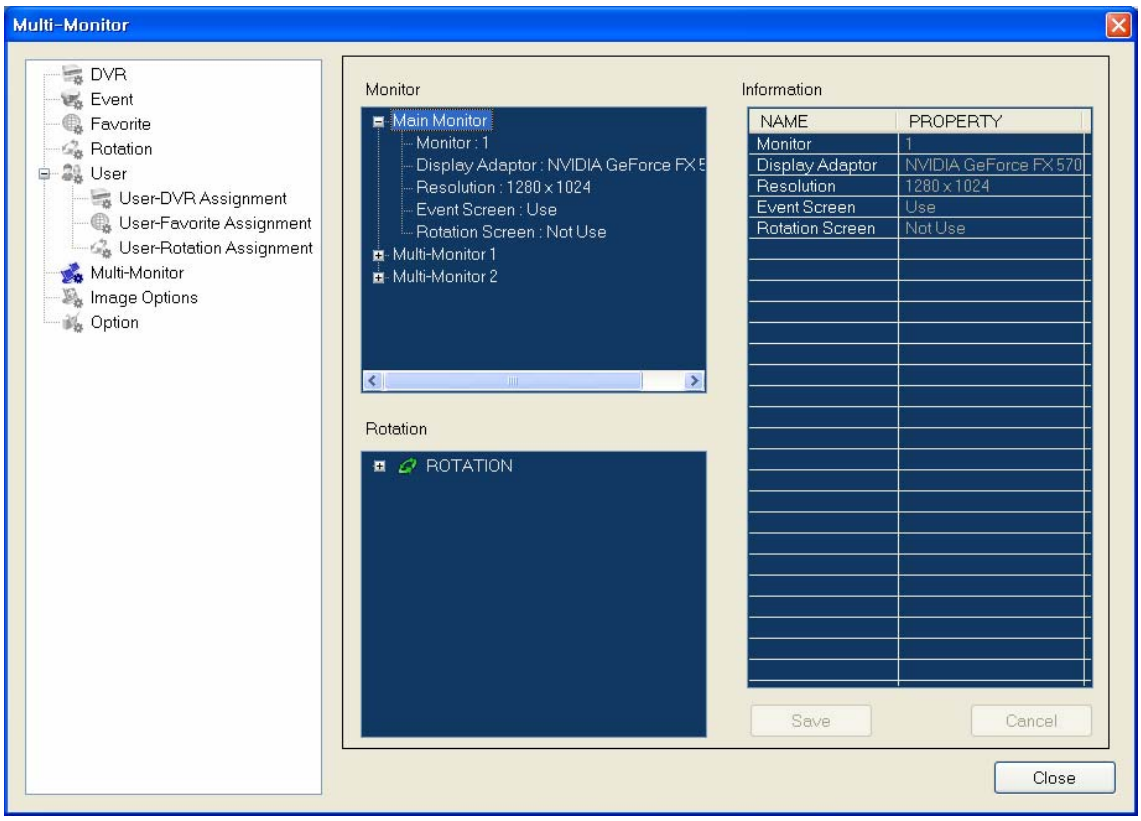
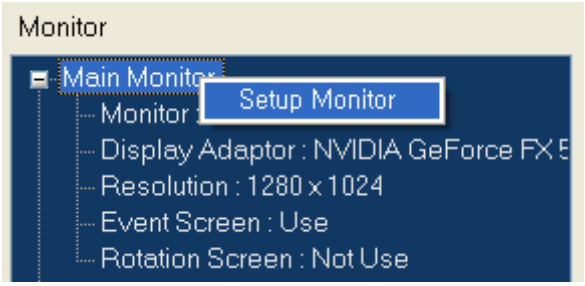


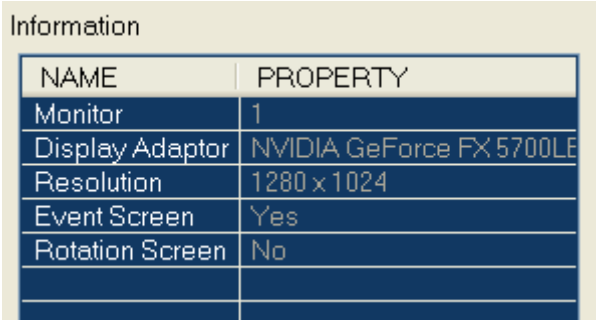
① Select Multi-Monitor( ) from the [Main Configuration] tree.

② Check Main Monitor/Multi-Monitor1/Multi-Monitor2 from the [Monitor] tree.

③ Select Monitor item and choose <Setup Monitor> from the Pop-up Menu.



④ Set Monitor information (Property) in the [Information] list.



NAME	PROPERTY
Monitor	Monitor number which is checked from display property of the system
Display Adaptor	Information on Display Adaptor connected to Monitor
Resolution	Resolution of Monitor
Event Screen	Whether monitor is used for Event Screen or not
Rotation Screen	Select from the [Rotation] list assigned to the current user

⑤ Select the [Save] button to save setup information.

※ Notes

- Monitor Number may be displayed differently depending on the system status.
- In Multi-Monitor except Main Monitor, Event Screen and Rotation Screen values cannot be set at the same time.
- It can be set up to 3 monitors.
- More detailed information on Rotation assigned to User can be checked in the [Rotation tree].
- If Event Screen is set up in the Main Monitor, you can see the latest Event Live View screen only when Events occur continuously.

If you set Event Screen to Multi-Monitor 1, 2, Event Live View screens up to 16 will be displayed in consecutive order at intervals of 10 seconds when Events occur continuously.

(10) Image Options Configuration

Sets Image Output Options.

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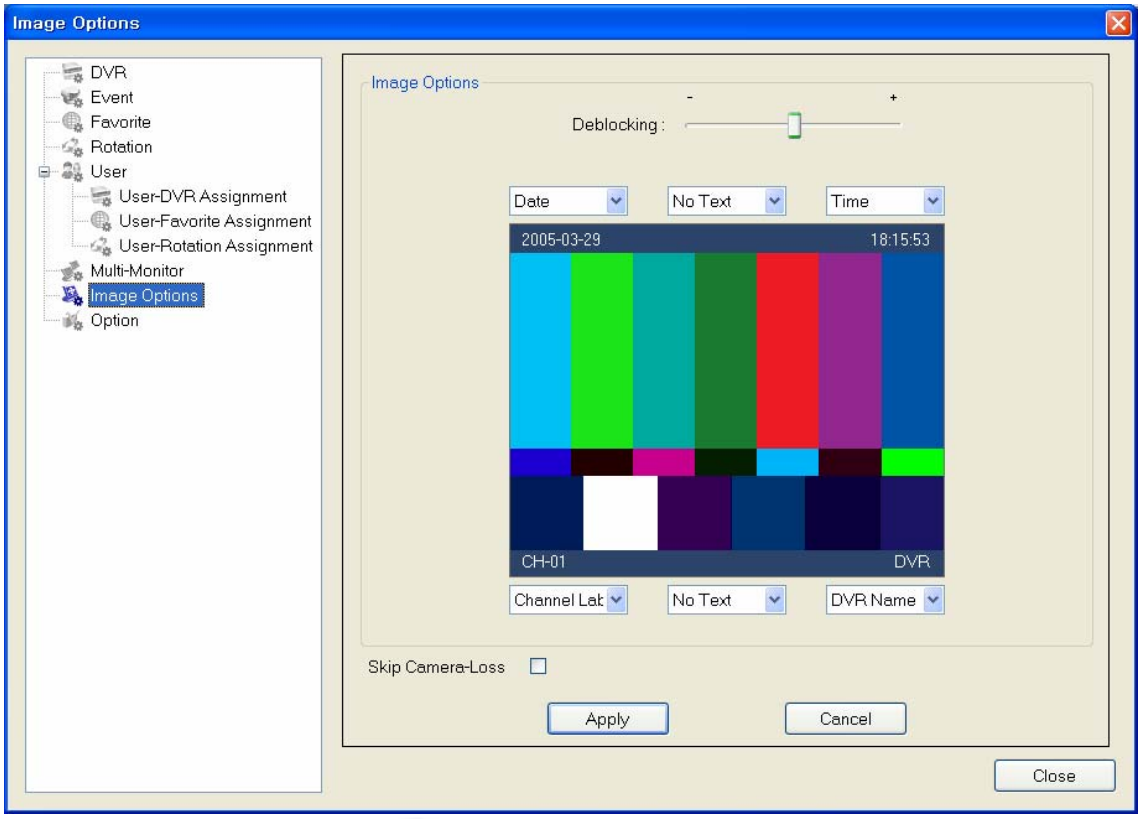

① Select Image Options( ) from the [Main Configuration] tree.

② Set the value.

Deblocking	This is the function to solve the Blocking (Mosaic) effect of image. Increasing the value will reduce the Blocking effect.
Text Display Format	Selects Date, Time, DVR Name, Channel Label location.
Skip Camera-Loss	Sets whether to output the Channel with no image input or not.

③ On the Image Options screen, select <Stretch>, <Text Caption>, <Margin Color>, <Date Format> from the Pop-up Menu..

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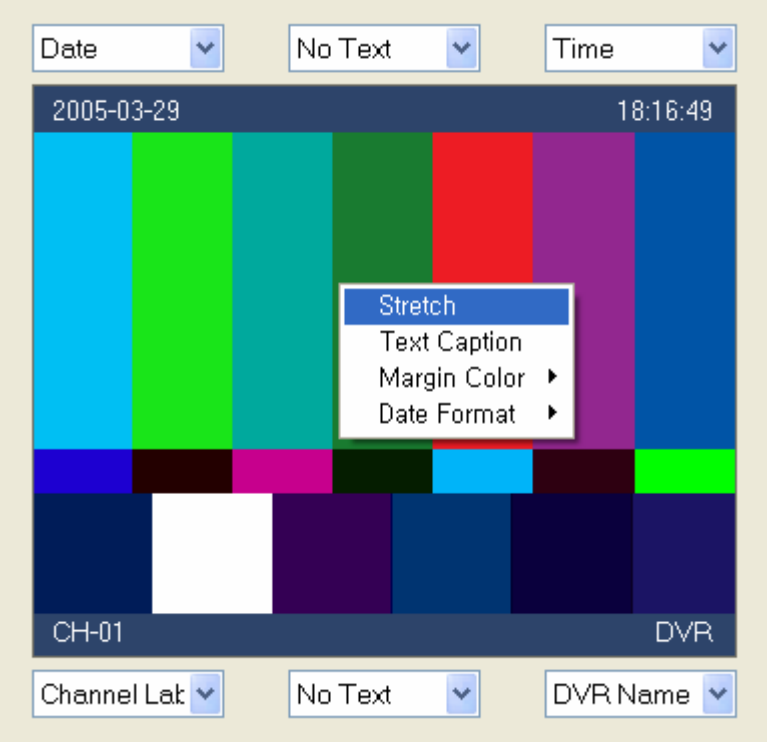

Stretch	Sets image to be extended to full screen.
Text Caption	Sets whether to display Text Caption or not.
Margin Color	Specifies the color of image margin.
Date Format	Sets Date Format to be used on video image (3 types)

④ Select [Apply] button to apply the current setup, or select [Cancel] button to set back to previous setup.

(11) Option Configuration

Sets DNA Run Options.

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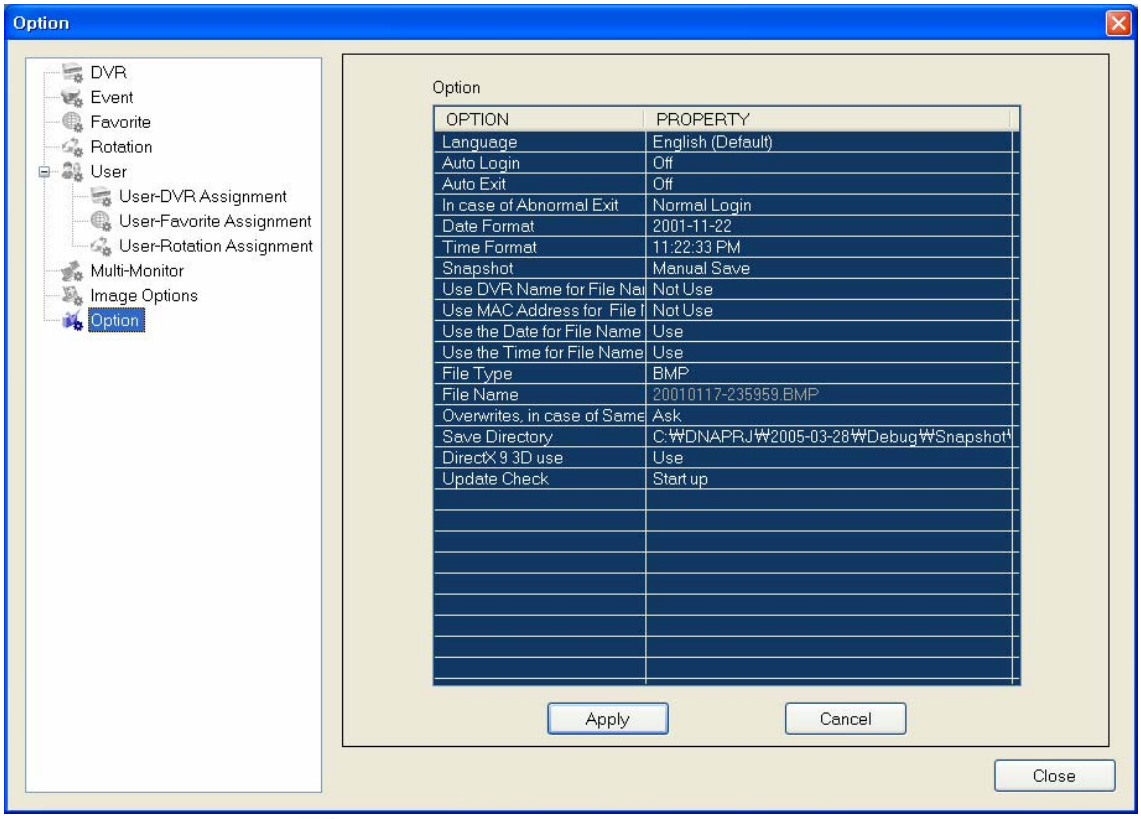

① Select Option( ) from the [Main Configuration] tree.

② Sets DNA Run Options in the [Option] list.

- Language: Select the Language to be used in DNA.

※ Notes

- Select Language from the Language file (*.ini) list under the folder where DNA is running.

- If there is no Language file, it runs in English (Default).

- Auto Login: When DNA runs, select the user immediately being logged-in without log-in identification procedure.
- Auto Exit: When you exit DNA, you can exit immediately without user identification procedure.
- In case of Abnormal Exit: If you could not exit DNA normally due to system problem, set user when restarting the program.

※ Notes

- For 'In case of Abnormal Exit', set to 'Last User Login', then the last user is given priority over the user set as Auto Login. If, that is, User A is an Auto Login user and the

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program is abnormally terminated, it will be automatically logged-in by User B in next program run.

- Date Format: Select Date Format to be displayed on DNA time clock screen. (12 types)
- Time Format: Select Time Format to be displayed on DNA time clock screen. (3 types)

- Snapshot: Selects the method to save the screen as a file. Use the dialog box to save a file in case of Manual Save.
- Use DVR Name for File Name: Selects whether to use DVR name for the file name saved by Snapshot.
- Use MAC Address for File Name: Selects whether to use DVR's MAC Address for the file name saved by Snapshot.
- Use the Date for File Name: Selects whether to use the current date for the file name saved by Snapshot.
- Use the Time for File Name: Selects whether to use the current time for the file name saved by Snapshot.
- File Type: Selects the file type to save a file.

※ Notes

- By selecting JPG, you can reduce the file capacity.

- File Name: Shows the file name type to which File Name option is applied.

※ Notes

If not use the File Option automatically created, the file name will be specified as Untitled.

- Overwrites, in case of Same File Name: Selects the action if there is already a file to save.

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- Ask: Checks if you would overwrite it.
- Overwrite: Overwrites it. (The last image will be saved.)
- Cancel: Cancels to save it. (The first image will be kept.)
- Indexing: Adds a number to a file name and saves as another name.

● Save Directory: Selects a basic directory to save a screen.

● DirectX 9 3D use: Selects whether to output on the screen by using Microsoft DirectX 9.0 3D function or not.

※ Notes

- To use the DirectX 9 3D function, Microsoft DirectX 9 software should be installed in your system.
- With the 3D function of Microsoft DirectX 9.0, you can reduce the system load.
- In case that Microsoft DirectX 9.0 is not installed, the program works normally even if you change this option to Use.

● Update Check: You can download the DNA updated program from the server. Sets the method how to check if there is any updated program.

※ Notes

- Update Check is available for the Manager level user only.
- Check the updated version when the Manager level user logs in.
- The User level user cannot change Language, Auto Login, Auto Exit, In case of Abnormal Exit, DirectX 9 3D use, Update Check among Option items.

③ Select [Apply] button to apply the current setup, or select [Cancel] button to set back to previous setup.

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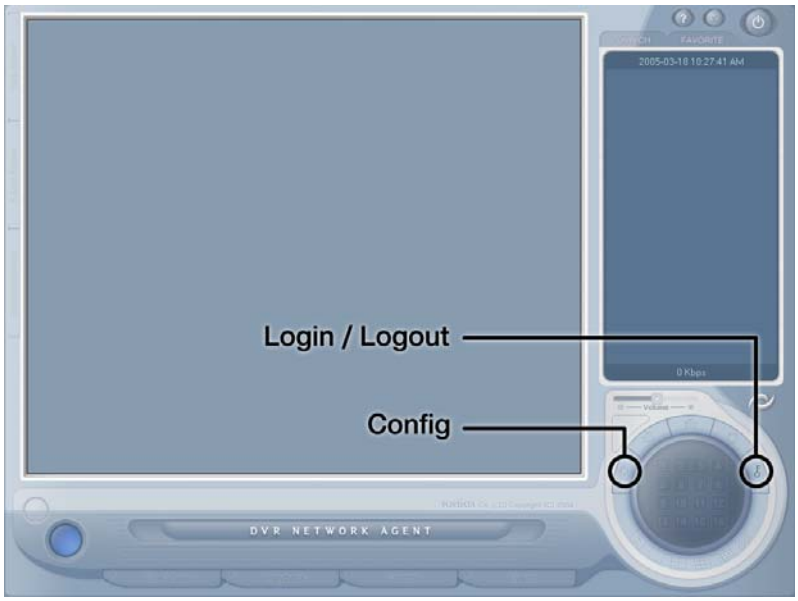
Chapter4. Using DNA

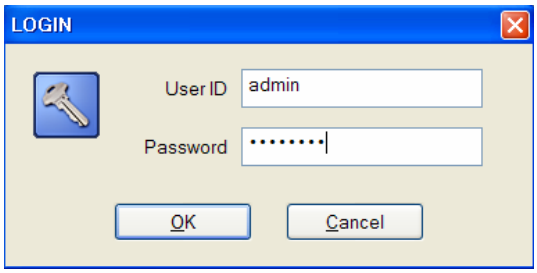
1. Starting the Program

When you start DNA for the first time, the initial screen will appear as follows:



(1) Login

To use DNA for the first time, you have to log in. Select the [Login/Logout ( )] button to enter User ID and Password.



(2) DVR / User Setup

Select the Config ( ) button and complete DVR, User and other setups to use several functions of DNA. For more setup details, refer to DNA Configuration.

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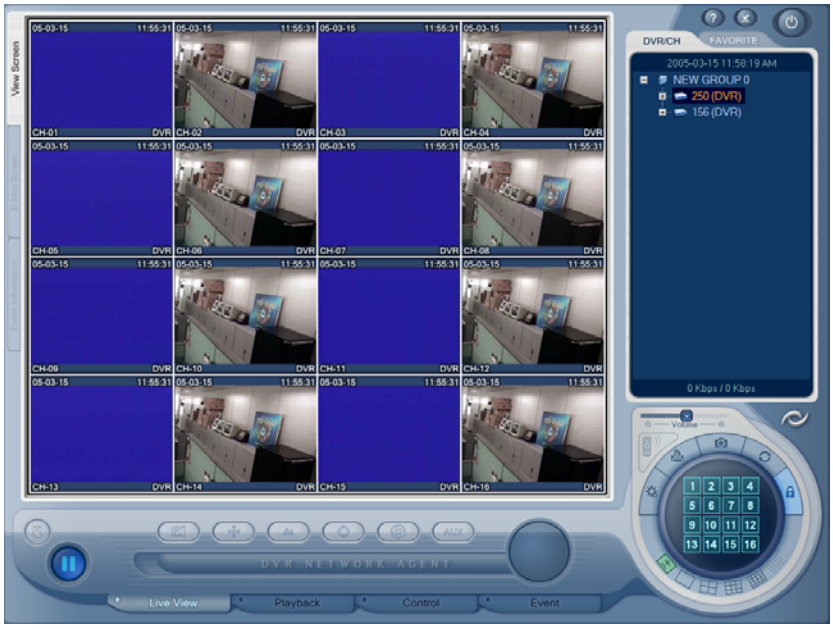
2. Live View

(1) Real-time Monitoring

When you start DNA for the first time or select the Live View button, the initial screen will appear as follows:



(a) Edit DVR/Favorite under Real-time Monitoring

① Double-click on the desired DVR from the [DVR/CH] tree on the right side or select <Select DVR> from the Pop-up Menu to monitor desired DVR in real-time.

② Double-click on the desired Favorite from the [FAVORITE] tree on the right side to monitor Channels composed of desired Favorites.

(b) Edit Channel under Real-time Monitoring

Right click the desired Channel of DVR/Favorite currently selected from the [DVR/CH] or [FAVORITE] tree on the right side to monitor the Channel in 1-split screen in real-time.

※ The Meaning of Icon shown on DVR/CH, Favorite Tree

Group		
DVR	DVR Connect	DVR Disconnect
Camera Input OK	Camera Input Loss	
Motion Detected	No Motion Detected	
Recording	Not Recording	
Favorite (including E-Map)	Favorite (not including E-Map)	

(c) View Screen

① View Screen shows a real-time image.

② E-Map Screen shows the E-Map of selected Favorite.

(d) View Split Screen

Click the Split Mode button on the right bottom to select a desired Split Screen.

① DVR/CH: 1, 4, 9, 16, X-split screen

② FAVORITE: 1, 4, 9, 16, 25, X-split screen

(2) Play Audio

You can listen to audio in real-time according to Audio setup of DVR. Check first if there is on the top right of the image.

(a) Select the image of the Channel you want to listen to audio.

(b) The frame of selected image turns to blue color and audio is played.

(c) To adjust sound volume, use the [Volume] button.

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(3) Camera Control

Check if Camera Control is possible for the camera first. Select the image of the Channel requiring camera control to activate the camera control button.

(a) Preset

① To control the Preset function of camera, adjust the image of camera by setting Pan/Tilt/Zoom/Focus properly

② Select [( )] button.

③ When the screen for Preset number input appears, select the [Preset

Save] button and then choose the number desired to save. You can save nine [Preset] numbers from 1 to 9 in the same manner.

④ To load Camera Location and Status saved by Preset, select the Preset button and choose the [Preset Move] button. And then select the button for desired Preset number.

(b) Pan/Tilt

① To control Pan/Tilt of camera, select the image of the appropriate Channel. If it is a controllable camera image, control buttons will be activated.

② Select the [Pan/Tilt( )] button of panel, then the direction button for Pan/Tilt control will be activated.

③ Adjust camera Pan/Tilt with the direction button.

(c) Zoom

① Select the [Zoom( )] button of panel to activate the direction button for Zoom control.

② To Zoom in by using the direction button activated, select the upward button, while to Zoom out, click the downward button.

(d) Focus

① Select the [Focus( )] button of panel to activate the direction button for Focus control.

② To adjust the Focus in long distance by using the activated direction

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button, click the leftward button, while click the rightward button to adjust the Focus in close distance.

(e) Iris

① Click [Iris( )] button of panel to activate the direction button for Iris control.

② Click the rightward button to open Iris by using the activated direction button, while click the leftward button to close Iris.

(f) AUX

① This AUX (auxiliary) function is available for the camera supporting the AUX function only.

② Click [AUX(AUX)] button of panel to activate the camera AUX function number buttons for function control.

③ Click the number button for desired function.

The followings are an example to set the function of each number button.

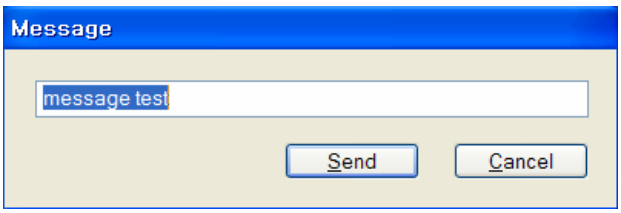
Aux No.	1	2	3	4	5	6	7	8	9
AUX function	Auto Pan	Light	Wiper	AUX	Scan	Pattern	Patrol	Alarm	Alarm Reset

(4) Message Transfer

This is the function to send a message to the site connected during real-time monitoring. This enhances the remote monitoring function by transferring a message from a remote place through DVR selected by the manager who is seeing the DVR screen.

① Select the [Message( )] button, then a message window will appear.

② Enter a message to be transferred to the selected DVR in the text box of the "Message" window.



③ After entering a message to be sent, click [Send] button. When a message is sent, the message transferred to the DVR screen appears at the bottom of the screen and a warning beep will sound. It will be automatically closed simultaneously with clicking the [Send] button.

④ To close the "Message" without sending a message, click the Cancel button.

(5) Play / Pause

Pauses or plays the current screen.

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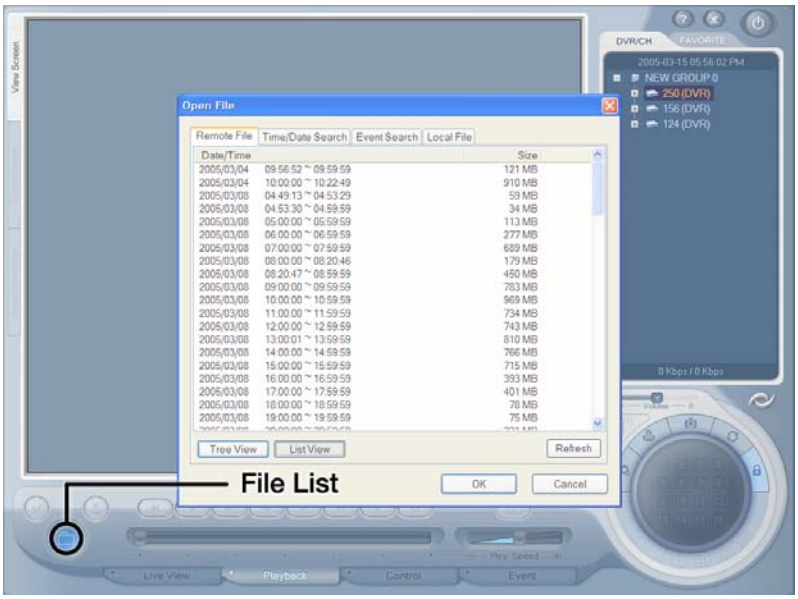
3. Playback

(1) File Search



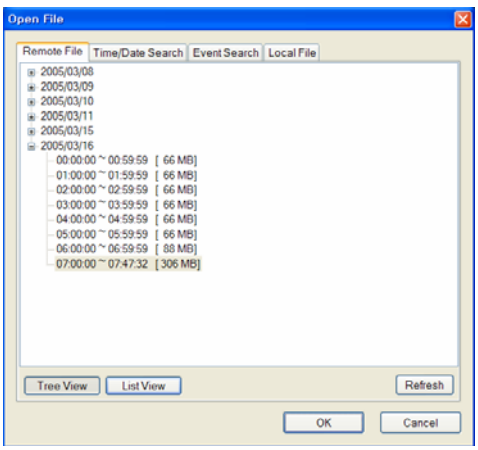
(a) Open File

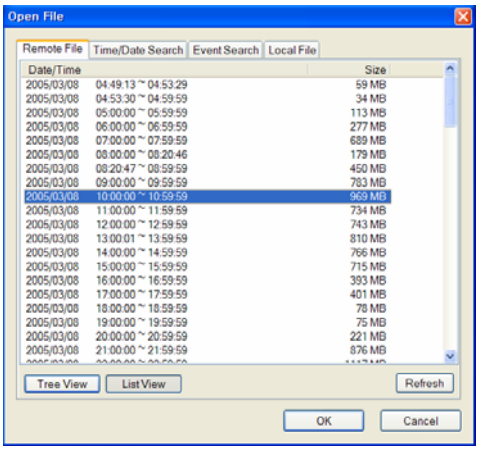
Select [Playback] tap at the bottom of panel or click the [File List( )] button to display the file information of DVR selected from the [DVR/CH] tree.

■ Open Remote File

① Select the [Remote File] tap from the Open File window.

② You can select the method of file display by using the [Tree View] button and [List View].





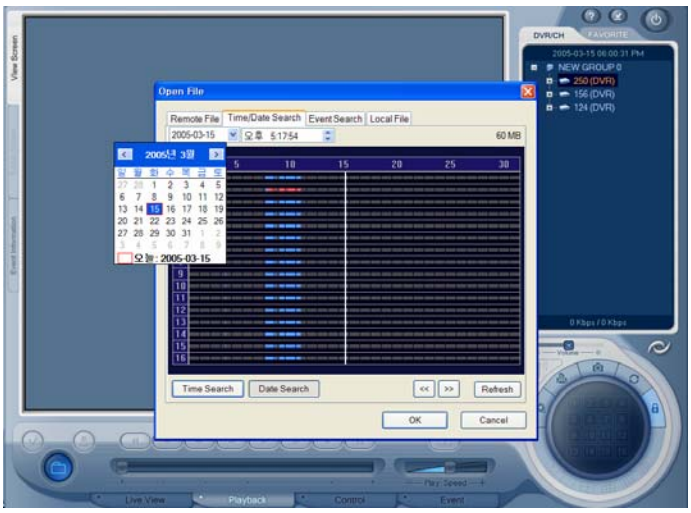
③ With the [Refresh] button, you can update the latest file information of the system.

④ Select a file from the “Open File” window and then click [OK].

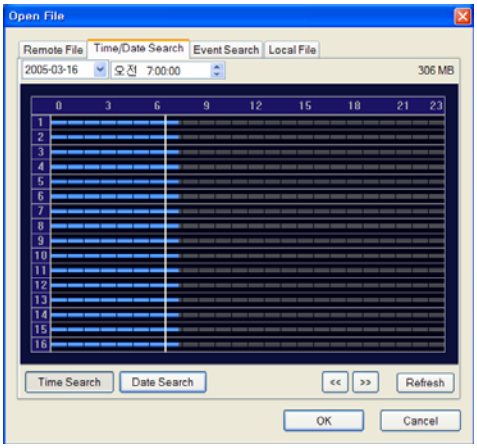
■ Time/Date Search

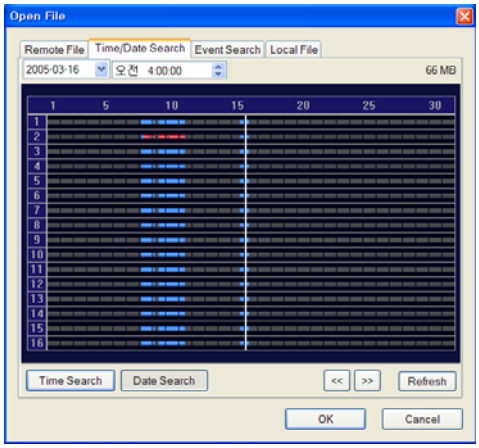
① Select the [Time/Date Search] tap from the “Open File” window.

② Select Time/Date to be searched by using the Time/Date combo box at the top left.



③ You can check the time information of recorded file by using the [Time Search] button and [Date Search] button.





④ Move to desired time period by using the left/right direction button(<< , >>), left mouse button, left/right direction button of keyboard.

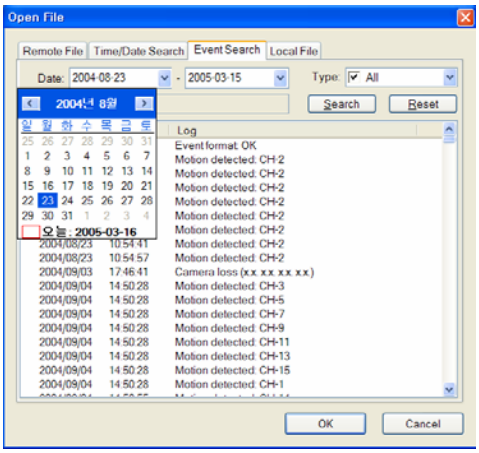
⑤ With the [Refresh] button, you can get the latest file information of the system.

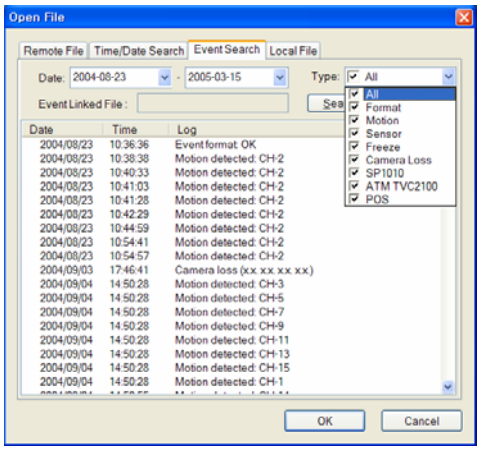
⑥ Click [OK] button.

■ Event Search

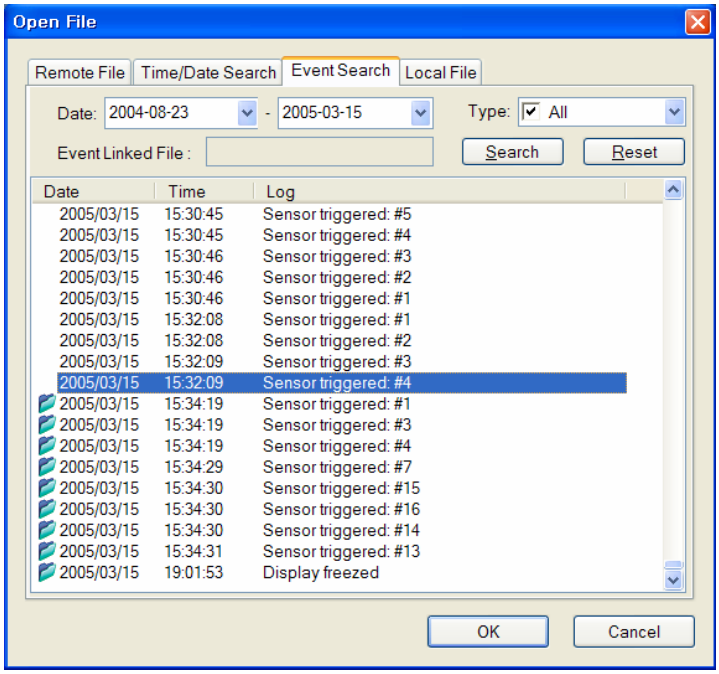
① Select the [Event Search] tap from the “Open File” window.

② Select Date and Event Type you want to search by using the [Date] combo box and [Type] combo box at the top of the window and choose the [Search] button.





③ If there is any related file in the [Event] list searched, icon will be displayed and you can search the appropriate file.



④ By using the [Reset] button, you can initialize search conditions with the entire time and all types.

⑤ Select the [Event] list in which icon will be displayed and then click OK button.

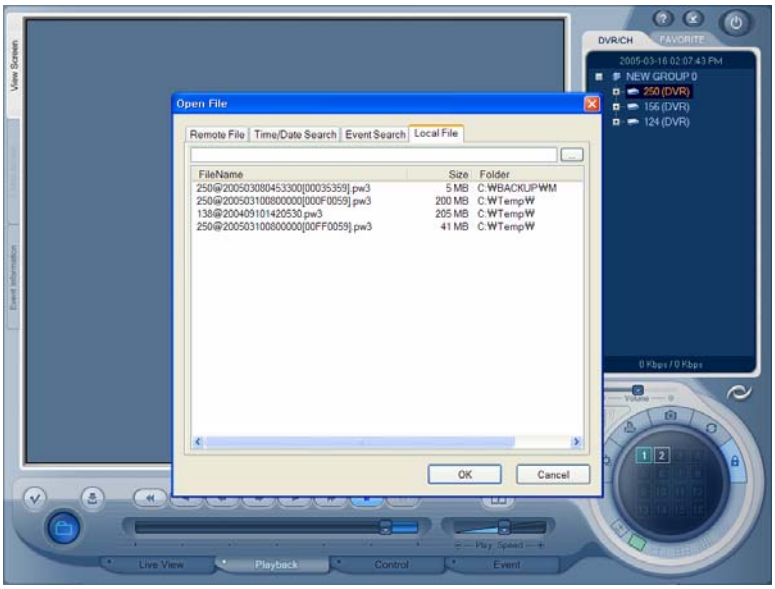
※ Notes

For Event Search, you must back up the Event log of DVR first.

■ Open Local File

You can select the file stored in Local PC.

① Select the [Local File] tap from the “Open File” window.



② Click the [Search (...)] button to choose an image file (pw3/exe) stored in your PC.

③ Click [OK] button.

(b) Play File

① When you select the desired file from the “Open File” window, the image of the file to play will be displayed, showing the time information on Slider Bar.

② Press the [Play ( )] button to play. At this time, you can see the image by operating function buttons displayed on the panel. In case of a file recorded with sound, the sound will also be played with.

③ The function of buttons on the panel are as follows:

Button	Function	Button	Function
	Fast Reverse Play		Play
	Reverse Play		Fast Forward Play
	Reverse Play screen by screen		Stop
	Forward Play screen by screen		Pause

④ You can adjust playing speed by using the [Play Speed] slide.

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(c) Check File Information

Press the [File Information ( )] button, then you can see the system information and recording information of the selected file.

① System Information

Checks the information, such as System Version, System Language, System Name, MAC Address and VGA Mode, etc.

② Recording Information

You can check the information, such as Recording Time of File, Channel Event, Resolution, Compression Ratio, the Number of Frame, Audio, Pre-Record, Label, the State of Recording.

In the state of recording, it consists of colors by recording mode. They include white, gray, blue and yellow, showing the state of recording respectively. The followings are meanings by color:

Color	Meaning
White	No recording
Gray	Normal recording state
Blue	Recorded in Motion Record Mode
Yellow	Recorded in Sensor Record Mode

The location of color in the Recording State Bar indicates the time of recording. To re-search image after seeing the system information and recording information of selected file, press the [File Information( )] button, [Play( )] button to return to the image screen.

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(d) Segment Save

To download the image data stored in the system, stop to search. Select the [Stop( )] button or [Pause( )] button and then choose the [Segment Save ( )] button.

■ To download all files:

① To download all image files, check in the [Save All] box.

② Specify the location where to download an image file in the [Directory].

③ Filename will be automatically specified as Site name@ Date+ Time.pw3 (Sitename@YYYYMMDDHHMMSS.pw3).

※ Notes

If user modifies a filename temporarily, difficulties in file management may occur. To change the filename temporarily, use the Change Name function from the File Manager in the operating system.

④ To save as an .exe file enable to execute by itself without any linkable program, check in the [exe] check box.

⑤ Setup information and then click the [Save] button to save a file. To cancel downloading, click the [Abort] button or [Cancel] button. When you click the [Abort] button, you can resume it later by saving the segment currently downloaded.

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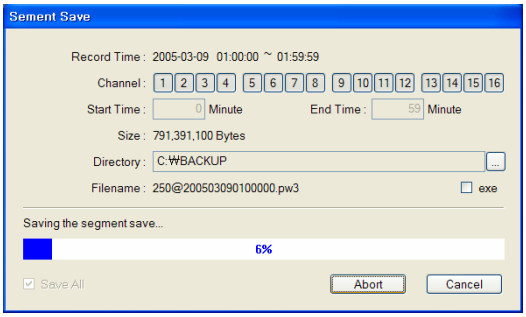
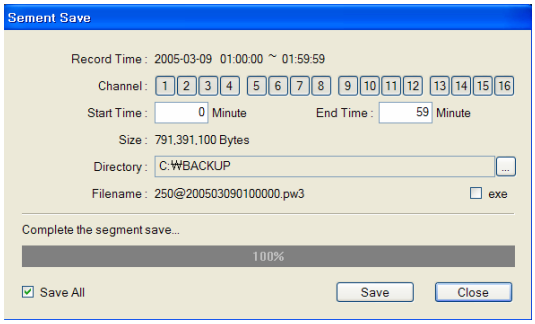

Sement Save
Record Time : 2005-03-09 01:00:00 ~ 01:59:59
Channel : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Start Time : 0 Minute
End Time : 59 Minute
Size : 791,391,100 Bytes
Directory : C:₩BACKUP
Filename : 250@200503090100000.pw3
exe
Saving the segment save...
6%
Save All
Abort
Cancel

⑥ When you complete the Download, "Complete the segment save..." message will appear.


Sement Save
Record Time : 2005-03-09 01:00:00 ~ 01:59:59
Channel : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Start Time : 0 Minute
End Time : 59 Minute
Size : 791,391,100 Bytes
Directory : C:₩BACKUP
Filename : 250@200503090100000.pw3
exe
Complete the segment save...
100%
Save All
Save
Close

■ To download some channels of file or specific time:

Select the channel and time of image file and download the file.

① Select the desired channel and time. When you select the channel and time, the size of file to download will be automatically displayed.

② Set the rest in the same manner with that of [Save All].

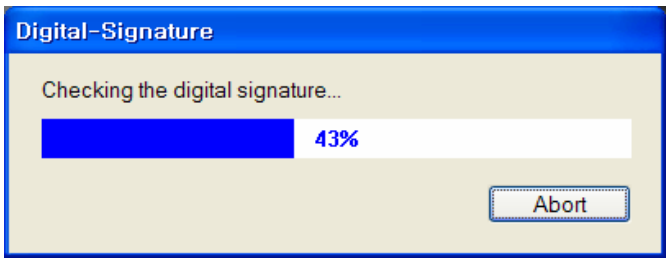
Filename will be automatically specified as Site name@ Date+ Time [Channel+ Segment Save Time] (Sitename@YYYYMMDDHHMMSS[CCCCMMMM].pw3).

(e) Use Digital Signature

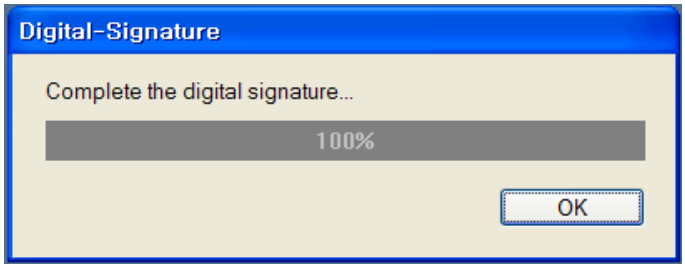
Digital Signature is the function to check that the image data stored in local computer is not an altered (same as the original) file. Since the use of Digital Signature automatically gives a file the Key Code value for the security of recorded image to download, it is safe to check if a file is altered or the truth. (It is available for the file only stored in local PC.)

① To use the Digital Signature function, select [Digital Signature( )].

② "Digital Signature" appears and check whether the file is a true file or not.



③ If the image data stored in local PC is not the original, “Failure the digital signature...” message appears. If it is the original, “Complete the digital signature...” message will appear.

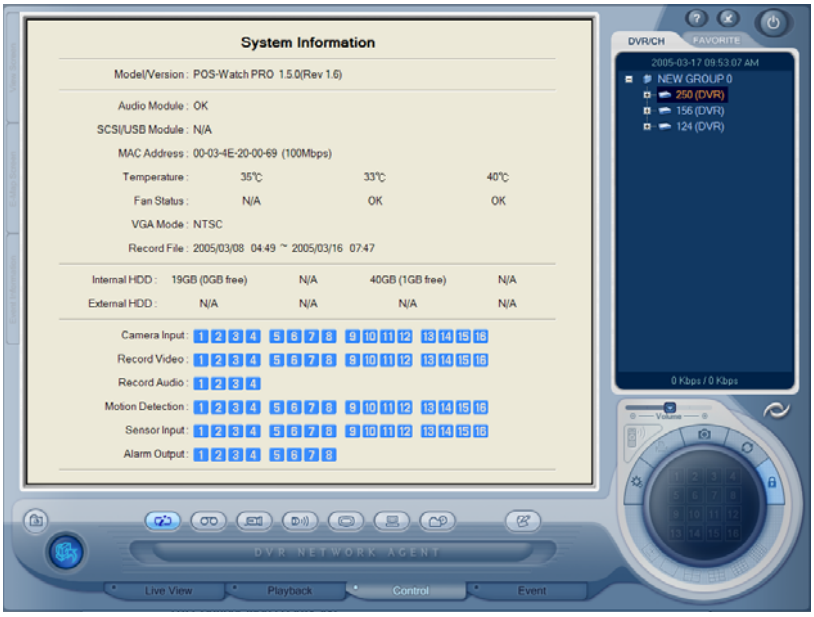


4. Control

Remote System Setup is to control DVR setup remotely through DNA. For more information on setup, refer to DVR User's Manual [Chapter4. POS-Watch Setup].

To set up DVR remotely, the user must be authorized for Remote Control. Therefore, you must check user's privilege before access.

To set up the remote system, select the [Control] button at the bottom of the panel.



(1) System Information View

① Select the [System Information( )] button.

② Check general information of the system, including System Version, Audio/SCSI Module, MAC Address, System Temperature, Storage Media configuration. You can also check how is configured through frames among hard disks grouped in case of RAID configuration.

③ Checking Camera and Record Status: Each Status that is meant by color of Channel, Motion, Sensor, Alarm number is as follows:

Item	Color 1 (contents)	Color 2 (contents)
Camera Input	Gray (Camera Loss)	Blue (Camera connection)
Record Video	Red (Record Video)	Blue (Not Record Video)
Record Audio	Red (Record Audio)	Blue (Not Record Audio)
Motion Detection	Red (On)	Blue (Off)
Sensor Input	Red (On)	Blue (Off)
Alarm Output	Red (On)	Blue (Off)

④ Sensor Input is the function to enter Sensor Input signals from DNA to DVR,

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which is set up by selecting a desired Sensor number button. With the Sensor number button turned red, the Sensor is activated for a certain period (Dwell) and automatically released.

⑤ Alarm Output is the function to enter Alarm Output signals from DNA to DVR, which is set up by selecting a desired Alarm number button. With the Alarm number button turned red, Alarm works. Select the Alarm number button in operation once more, then it turns blue and the Alarm is released.

(2) Remote Record Setup

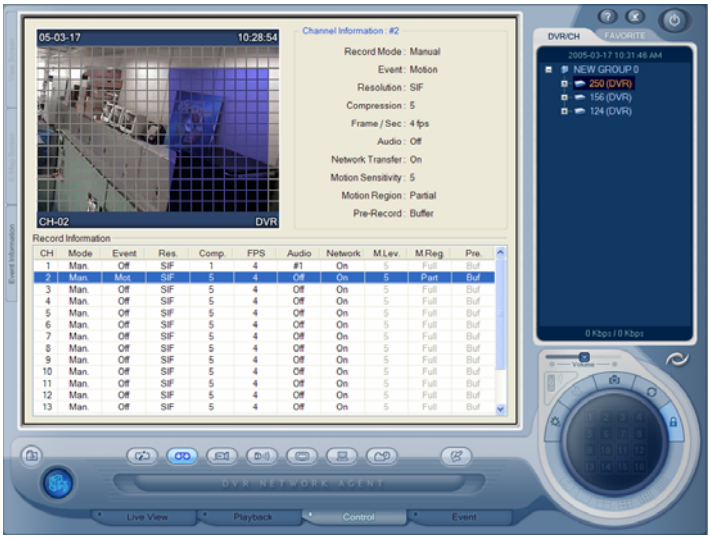
By using the Record Setup function, you can control the Record Setup function of DVR remotely. It provides such functions as DVR Mode (Record Mode) / Event / Resolution / Comp. (Compression) / FPS (Frame) / Audio / Network (Network Transfer) / M. Lev (Motion Sensitivity) / M. Reg. (Motion Region) / Pre. (Pre-Record). For more details, refer to DVR User's Manual [Chapter 4. POS-Watch Setup -> Record Setup].

① Select the [Record Setup( )] button. The image of selected Channel will appear at the top left of the screen, while Setup information by Channel at the top right.

② Click on the location of the item desired to control in the list box at the bottom of the screen.

③ When the list of the appropriate item appears, select the setup value desired.

④ To use the Motion Record, select Motion Record from Event and then set up Motion Region. If you select Motion Region as Full, the whole area shown on the screen will be selected. If you select Motion Region as Part, the screen changes as shown below and you can setup the Motion area by using the left mouse button (Release Motion Area) and the right mouse button (Select Motion Area).



⑤ Select the setup value and then choose the [Configuration Apply( )] button to apply it to DVR.

(3) Remote Camera Setup

By using the appropriate function, you can control the DVR's Camera Setup function remotely. Since this provides DVR's Camera Setup function as it is, Bright/ Contrast / Saturation / AGC / PTZ IP / Port / Label controls are available. For further information, refer to DVR User's Manual [Chapter4. POS-Watch Setup -> 2. Camera Setup].

① Select the [Camera Setup( )] button. The image of selected Channel appears at the top left of the screen, and Camera Setup information by Channel will appear at the top right of the screen.

② Click on the location the item to control in the list box at the bottom of the screen.

③ When the list of the appropriate item appears, select the desired setup value.

④ Select the setup value and then choose the [Configuration Apply( )] button to apply it to DVR.

(4) Remote Event Setup

By using the appropriate function, you can control the DVR's Event Setup function remotely. Since this provides DVR's Event Setup function as it is, Sensor's Type / Record / Event Duration / Display Video / SPOT Video / Preset / Alarm / Beep / E-Mail / Dial-up controls are available.

For further information, please refer to DVR User's Manual [Chapter4. POS-Watch Setup -> 3. Event Setup].

① Select the [Event Setup( )] button.

② Click on the location of the item to control from the list box at the bottom of the screen.

③ When the list of the appropriate item appears, select the desired setup value.

④ For E-Mail Address and Dial-Up input, select the List and enter directly.

⑤ When setting the Preset function linked with Sensor, the front number indicates the Camera number and the next two numbers indicate the Preset number.

The meanings according to setup are as follows:

If the Preset function is set to 2:6/3 for No. 1 Channel

-> In case of No. 1 Sensor operation, move No. 2 Camera to No. 6 position, while to No. 3 position in case Sensor is closed.

⑥ Select the setup value and then choose the [Configuration Apply( )] button to apply it to DVR.

(5) Remote Screen Display Setup

By using the appropriate function, you can control the DVR's Display Setup function remotely. Since this provides DVR's Display Setup function as it is, Display's TV Flicker Free / Camera Loss Skip / SPOT Rotation / Split Group (1/2V/2H/4/7/8/9/10/13/16) controls are available. For further information, please refer to DVR User's Manual [Chapter4. POS-Watch Setup -> 4. Screen Display Setup].

① Select the [Display Setup ( )] button.

② Click on the location of the item you want to control in the Check box / Combo box on the screen.

③ When the list of the appropriate item appears, select the desired setup value.

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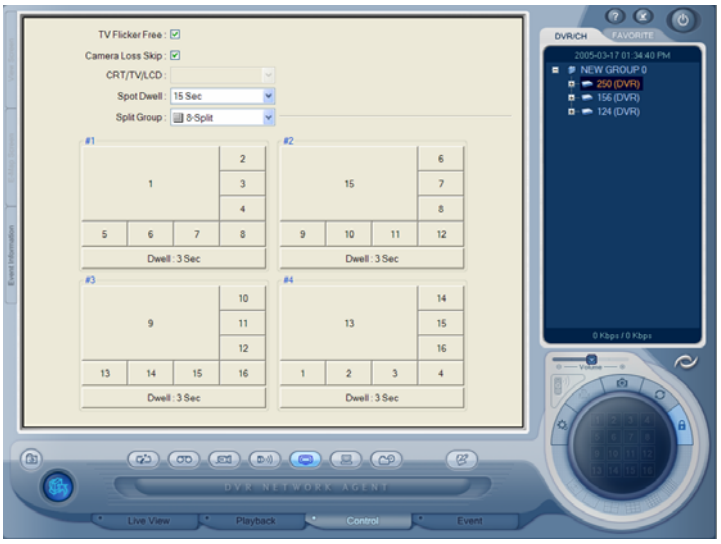
④ After Setting up Split Group, you can adjust the Channels of Split Group and Dwell Time by using a mouse (the left button – number decrease, the right button – number increase).



⑤ Select the setup value and then choose the [Configuration Apply( )] button to apply it to DVR.

(6) Remote System Setup

By using the appropriate function, you can control DVR's Network Setup and System Setup remotely. Since this provides DVR's Network Setup and System Setup functions as they are, NTP Server / SMTP Server / E-Mail Address / Alarm Server Setup for Network and Time Zone / DST Zone / System Name / System ID / HDD SMART / HDD Failure Stop

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/ File Delete / Auto Key lock / Serial Communication / User Management Setup for the System can be controlled. However, some functions are subject to restriction for security and safe operation of the system. For further information, please refer to DVR Use's Manual [Chapter4. POS-Watch Setup -> 5. Network Setup, 6. System Setup].

■ Network System Information Setup

① Select the [System Setup( )] button.

② Click on the location of the item you want to control in the Check box / Combo box on the screen.

③ When the list of the appropriate item appears, select the desired setup value.

④ Select the setup value and then choose the [Configuration Apply( )] button to apply it to DVR.

■ User Management Setup

Setup for User Registration / Privilege is possible only when you access to with Admin Privilege. The user without Admin Privilege cannot do System Setup and Schedule Setup, but check information only.

① Select the location desired to set up and enter your Name and Password. If Name is 'admin', you can set up Password only.

② Set up Local Access / Network Access privilege. Select the list box and then choose Icon and Item. The Icon with setup privilege becomes enable, and the icon released becomes disable. In case of Network Access privilege setup, Remote Control function is available only when (Control) is set up.

③ In case of Local Access privilege setup, Time Limit is activated by (Time Limit) setup, View Channel is activated by (View) setup. And Search Channel is activated by (Search) setup.

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※ Notes

■ Examples of Limit Time Setup

* : All periods of time

1-3 : from 01:00 to 03:59:59

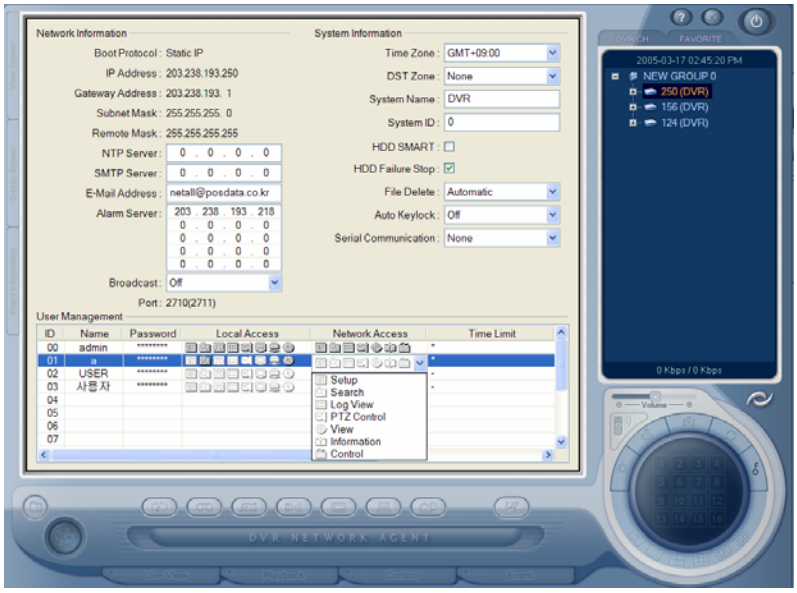
1, 3 : from 01:00 to 01:59:59, from 03:00 to 03:59:59

■ Examples of Channel Setup

* : All Channels

1-3 : No.1 Channel, No. 2 Channel, No. 3 Channel

1, 3 : No.1 Channel, No. 3 Channel



④ Select the setup value and then choose the [Configuration Apply( )] button to apply it to DVR.

(7) Remote Schedule Setup

By using the appropriate function, you can control the DVR's Config Setup function remotely. Among DVR's Config Setup functions, only Weekly Schedule Apply and Setup functions are provided for system security and safe operation. For further information, please refer to DVR User's Manual [Chapter4. POS-Watch Setup -> 7. System Config Setup].

① Select the [Schedule Setup ( )] button.

② To Set up / Apply Weekly Schedule, select the Check box. The appropriate day and hour of the week will be chosen by Option and Drag.

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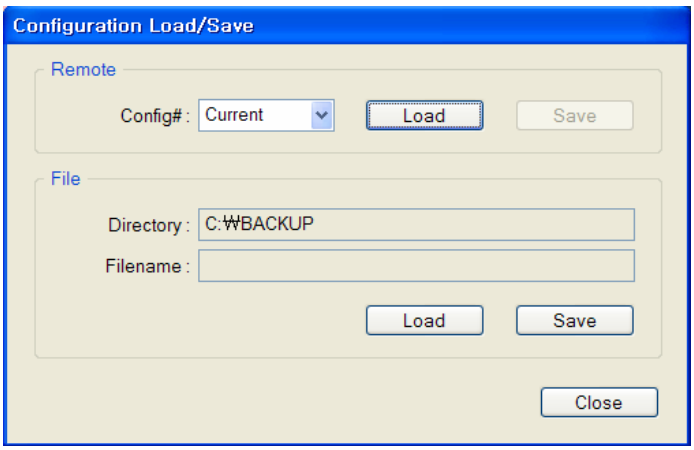
③ Select the setup value and then choose the [Configuration Apply( )] button to apply it to DVR.

(8) Configuration Load/Save

By using the appropriate function, you can remotely load and save the Configuration value of DVR Setup so as to control it. Among DVR's Configuration Setup functions, Load Configuration / Save Configuration / Apply Configuration functions are provided as they are.

■ Load/Save Remote Configuration Value

① Select the [Configuration Load/Save ( )] button.



② To load the Configuration value stored in DVR, select Config# (Configuration Number) and then choose the [Remote-Load] button.

③ To save the Configuration value currently configured in DVR, select Config# and then choose the [Remote-Save] button to save.

■ File Configuration Value Load/Save

① Select the [Configuration Load/Save ( )] button.

② To load the Configuration value stored in your PC into DVR, click the [File-Load] button.

③ To save the Configuration value currently configured into your PC, click the [File-Save] button. The filename saved is automatically specified as Site name@ModelName_Version_VGA Type.cfg. (For your convenience, we support HTML type file format as well.)

※ Notes

• Configuration Value Save Filename

Filename in which Configuration value will be saved is automatically specified as Site Name@Model Name_Version_VGA Type.cfg. For example, the file named Seoul@PRO_12_NTSC.cfg means that its DVR Name is Seoul, Model is PRO, Version 1.2.x, and its VGA Type is NTSC.

• Apply Remote Configuration Setup Value

If you apply the Configuration value of DVR #1 to DVR #2, #3 and others, for example, follow the following procedure:

① Connect to POS-Watch #1 and load the Configuration value [Remote-Load]

② Save the Configuration value in your PC [File-Save]

③ POS-Watch #1 Logout / POS-Watch #2 Login

④ Load the Configuration value in your PC [File-Load]

⑤ Select the [Configuration Apply ( )] button to apply it to POS-Watch #2

⑥ To save the Configuration value applied in POS-Watch

Specify the Config# (Configuration number) and then save it [Remote-Config# Select-Save]

⑦ POS-Watch #2 Logout / POS-Watch #3 Login

⑧ Repeat ④~⑥

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(9) Use Log Information

By using the appropriate function, you can view and save the DVR's System Log information. This provides the DVR's Log function as it is.

■ System Log

① To load the System Log value stored in DVR, select the [Log Viewer( )] button.

② Select the System Log Tab from Log Information shown on the screen to check the System Log information. Log messages are divided into and shown as Normal, Warning, Critical and Error by color.

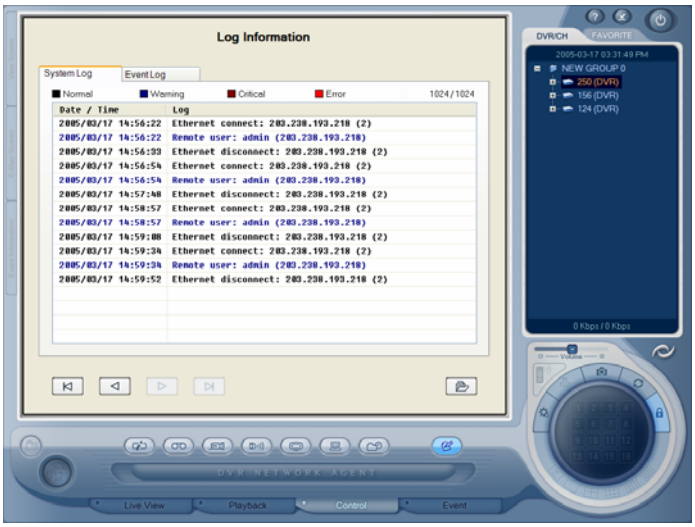
③ You can view the Log Information, moving from page to page, by using Page Move buttons at the bottom. Functions of Page Move buttons are as follows:

: Move to the last (the oldest) log page

: Move back page by page

: Move to the previous page by page

: Move to the first (the latest) log page



■ Event Log

① To load the Event Log value stored in DVR, select the [Log Viewer( )] button.

② Select from the [Event Log] tap from Log Information shown on the screen [Event Log] to check the Event Log information.

③ You can view Log Information, moving from page to page, by using the Page Move buttons at the bottom.

④ To save Log as a file in your PC, click the [Log Save ( )] button. Filename will be saved as the DVR Name@ EventLog.txt type.

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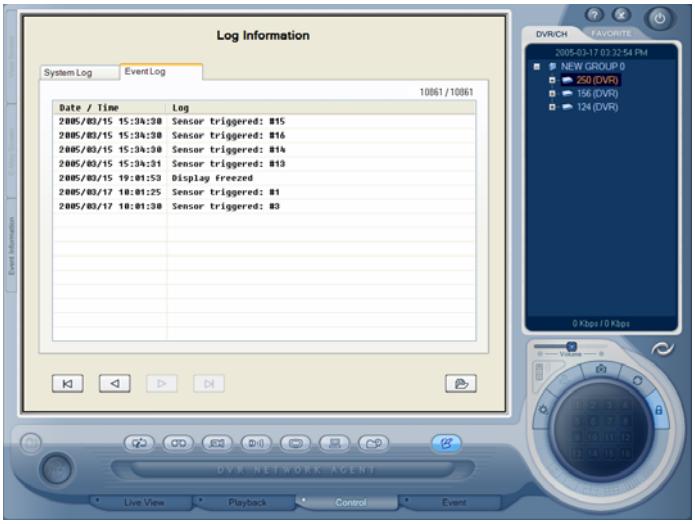

Log Information
System Log
Event Log
10861 / 10861
Date / Time
Log
2005/03/15 15:34:38 Sensor triggered: #15
2005/03/15 15:34:38 Sensor triggered: #16
2005/03/15 15:34:38 Sensor triggered: #14
2005/03/15 15:34:31 Sensor triggered: #13
2005/03/15 19:01:53 Display freezed
2005/03/17 10:01:25 Sensor triggered: #1
2005/03/17 10:01:38 Sensor triggered: #3
DVR/CH
FAVORITE
2005-03-17 03:32:54 PM
NEW GROUP 0
250 (DVR)
156 (DVR)
124 (DVR)
0 Kbps / 0 Kbps
DVR NETWORK AGENT
Live View
Playback
Control
Event

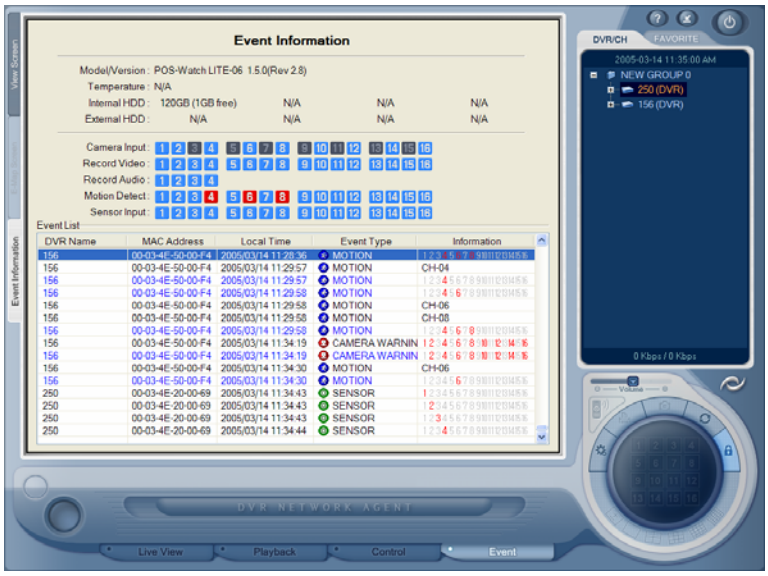
5. Event

(1) Event Action

When Event is received, the Event Information tap on the left of the screen is blinking and performs functions, such as Event Live View / Duration / Beep / Linked exe. / Exe. Parameters, according to the Event Configuration setup value. For more detailed description of Event Configuration, see [Configuration Setting->Event Setup].

(2) Event Information View

In the Event Tab screen, the received Event List and Event Information are shown.



■ Event List View

① DVR Name: Shows the DVR Name Event occurred.

② MAC Address: Shows the DVR MAC Address Event occurred.

③ Local Time: Time Event is received

④ Event Type: Shows types of event received as follows.

Event Type	Description
Motion	Motion occurs
Sensor	Sensor occurs
Warning	Camera Warning occurs Password Warning occurs HDD Warning occurs: Full, Smart, Fail, RAID Fail
Alive	Reports the appropriate DVR is operating (Once an hour)

⑤ Information: Shows the Channel information of the Event received.

– 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 : The Channel that Event occurred is displayed in red

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- CH-06 : Indicates the Label of Motion Channel occurred (in case of Login Event)

※ Notes

- Login Event: The Event occurred while DNA is connected to DVR is always transferred to DNA through Login Event.
- AAC Event: If IP Address of local PC in which DNA is installed is registered as the Alarm Server of DVR, more detailed Event information than that of Login Event is transferred through AAC Event.
- In the Event List, AAC Event Message is displayed in blue characters and Login Event Message in black characters.

■ Event Information View

Further information on the Event Message selected from the current Event List is shown as follows:

① Model/Version: Model name and Version information of the DVR Event occurred

② Temperature: Temperature inside the DVR Event occurred

③ Internal/External HDD: Total and Residual HDD Capacity of the DVR Event occurred

④ Camera Input: Camera input information of the DVR where Event occurred

- 1 (Blue): Camera normal input
- 3 (Gray): Camera loss

⑤ Record Video: Video Channel under recording in the DVR where Event occurred

- 1 (Blue): No recording
- 4 (Red): Under recording

⑥ Record Audio: Audio Channel under recording in the DVR where Event occurred

- 1 (Blue): No recording
- 4 (Red): Under recording

⑦ Motion Detection: Video Channel motion detected in the DVR where Event occurred

- 1 (Blue): No motion
- 4 (Red): Motion detected

⑧ Sensor Input: Sensor Input Channel of the DVR where Event occurred

- 1 (Blue): No Sensor input
- 4 (Red): Senor input

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(3) Event View

This is the function to monitor the Channel of the DVR where Event occurred.

(a) Event View from the Main-Monitor

- If an Event occurred in the DVR set as Event Live View, it automatically moves to the [Event-View Screen] of the Main Monitor.
- If Motion Event occurred, the video image of the Channel that the Event occurred will be displayed during the time set as Duration in 1-Split screen.
- If Event Live View is set for events of Sensor, System Warning, Camera-Loss, video image of all Channels of DVR will be displayed during the time set as Duration.
- If Events have successively occurred, only the latest event will be displayed.

(b) Event View from Multi-Monitor

- In case Event Screen is set from Multi-Monitor, if an Event occurs, the Event image set to Full Screen of the setup monitor will be displayed during the time set as Duration.
- If Events have successively occurred, max. 16 Event View screens will be displayed for 10 seconds in order.
- If 16 events or more have successively occurred, it will be replaced by the Event View screen with the shortest Duration time.

※ Notes

- For Event Live View setup, refer to the Event item in Configuration.
- If Duration time is short, Event image may not be displayed.
- Since the Event Live View displays the image transferred to network, the time to display the image may be delayed depending on the network situation.

(4) AAC Server Setup

To receive AAC Event, IP Address of local PC that DNA is installed should be registered as the Alarm Server of DVR. For more detailed Alarm Server registration, please refer to DVR User's Manual [Chapter 4. POS-Watch Setup -> 5. Network Setup -> (6) To set the Address of Alarm Server].

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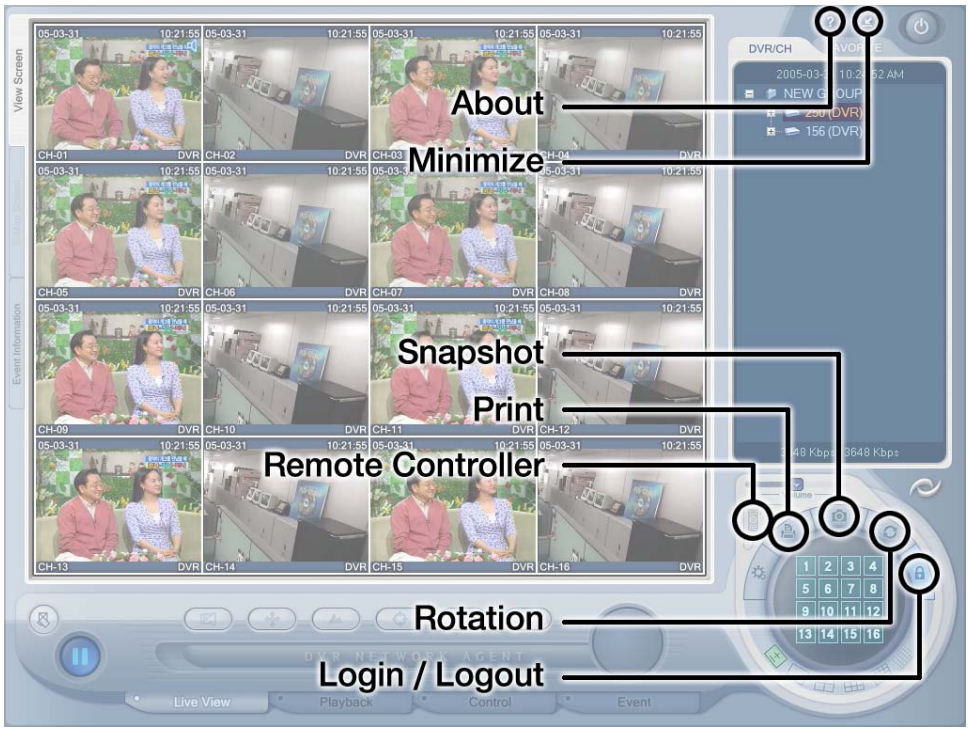
6. Other Instructions for use



(1) Remote Controller

By using the Remote Controller function, you can control the DVR in a remote place. Provided that it should be available for the DVR user who is given the Control Privilege of Network Access.

① Select the DVR you want to control from the [DVR/CH] tree.

② Click the [Remote Controller ( )] button.

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③ How to use this Remote Controller is the same as that of actual remote controller. But, Power button at the top right is to close the use of Remote Controller. For more details on how to use the Remote Controller, please refer to DVR User's Manual [Chapter 3. Using the POS-Watch -> 1. Basic Operation].

(2) Print

The entire screen or the image of selected Channel can be printed out with the text.

① Click the left mouse button on the desired Channel and then choose the [Print( )] button.

② When the "Image Print" window appears, enter Title, Subject, Memo and so forth.

③ To print out the selected Channel, click on the [Selected Channel] Check box, while click on the [Current Channels] Check box to print out the current entire screen. If you choose the [Selected Channel], you can enlarge/reduce the image to print out by using the [Enlarge] Check box.

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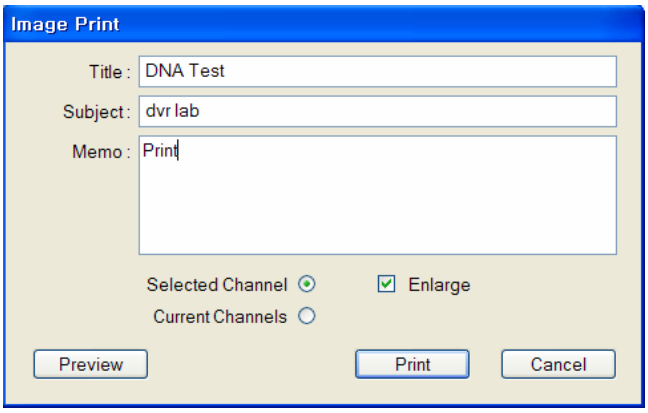

④ Click the [Preview] button to view the screen to be printed out previously.

⑤ Press the [Print] button to print out the image selected.

(3) Snapshot

If you want to save a specific (part) image of Split Screen as a .BMP or .JPG file, save it as follows:

① Click on a desired specific (part) image with the left mouse button and then choose the Save [Snapshot ( )] button. At this time, the frame of the image selected turns blue.

② If the Save as Another Name window appears, enter a filename and click the [Save] button.

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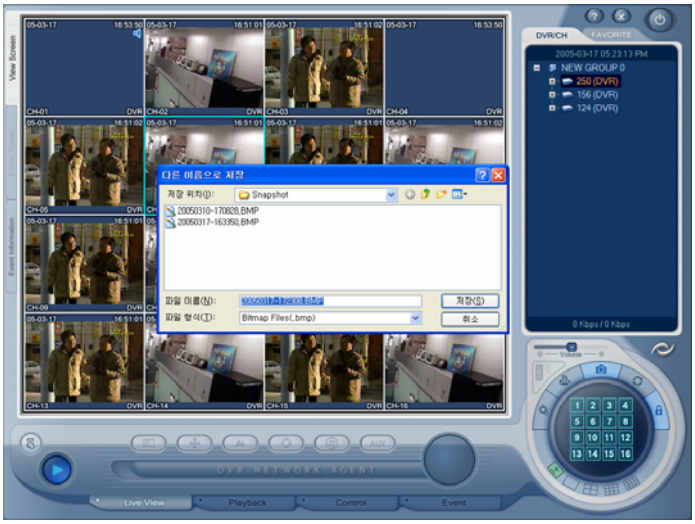


③ From Config->Option Setup, you can change the Option of Snapshot so as to change the Save Directory or choose Auto/Manual Save. For more detailed Setup, see DNA Configuration.

(4) Rotation

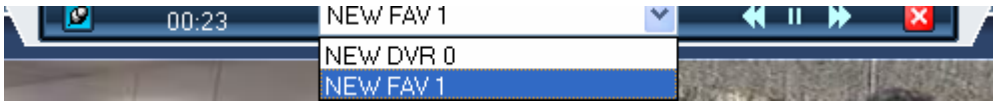
Select the [Rotation View ( )] button to monitor DVR, Favorite, Channel in order according to Rotation Configuration setup.

① Choose the[Rotation View ( )] button.

② Rotation set up from Multi-Monitor in Configuration will be displayed in full screen on the monitor.

③ [Rotation Tool Bar] appears on the Rotation screen. [Rotation Tool Bar] disappears

automatically, and when a mouse is located at the [Rotation Tool Bar] on the monitor, it will appear automatically. If you want to continue to display the [Rotation Tool Bar], select the [Keep Visible( )] button.



/	Rotation Tool Bar fix
00:24	Remaining Duration of View Point
NEW FAV 1 NEW DVR 0 NEW FAV 1	View Point List
	Moves to the previous View Point
	Moves to the next View Point
/	Pause/Start View Point Timer
	Close Rotation View

④ After View Point setup time, it automatically moves from the View Point list to the next View Point.

※ Notes

- View Point is shown in the X-Split mode.
- If it consists of DVR or Favorite not assigned to user, it is automatically excluded. And if there is no View Point list, a warning message appears and Rotation View does not work.
- If View Point is not connected to Channel or consists of Channels with no privilege so that may not display an image, it automatically moves to the next View Point.

(5) Using Login/Logout Window

① Select the [Logout ( )] button to prohibit the use of DNA.

② Select the [Login ( )] button to release the lock of DNA and to use it normally. When you select the [Login ( )] button, a Login window appears, and when you enter User ID / Password, the lock function of DNA will be released, as the [Login ( )] button is changing to the [Logout ( )] button.

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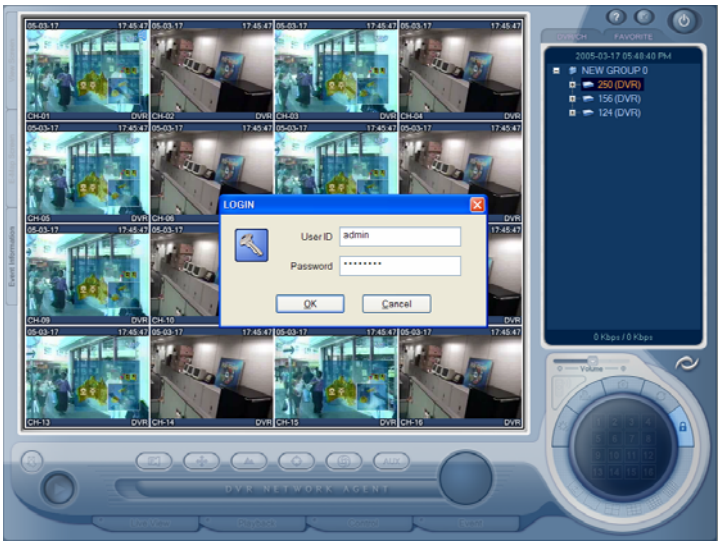

(6) Split

There is a group of the following buttons at the right bottom of the screen. When you press these buttons, you can check splitted-screen (1/4/9/16/25-splt). However, a 25-split screen is available when selecting Favorite.

■ Splitting

① [X-Split ( )] is the function to configure the screen as the user want, you can add/delete a desired screen to configure the screen. This also provides the screen configuration in the optimum split mode.

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② By using the [1 Split screen( )], [4 Split screen( )], [9 Split screen( )], [16 Split screen( )], [25 Split screen( )] buttons, you can configure the screen in desired split screen.

■ To add/delete Channel:

① Select the [X-Split] button and then choose the number buttons for Channels you want to add/delete in desired order. If the number button is green, it means 'Add', otherwise 'Delete'.

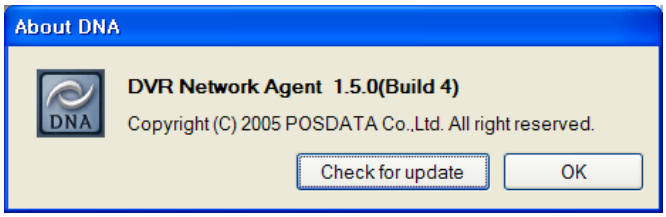
② You can check that Channel is configured on the screen in selected order.

For example, when considering Channels from #1 to #16 as Remote View function and assuming that desired screens are Channels #1, 5, 9, 3, 16, 10, use the following:

- Check if the [X-Split( )] button is activated. The default value of split button is X-Split.
- Select the Channel buttons of desired screen in the sequence of #1, 5, 9, 3, 16, 10.
- It appears as the optimum split of 6 Channels, that is, 9-Split screen.

(7) About

When you click the [About ( )] button at the top right of the screen, you can check the version information of the program.



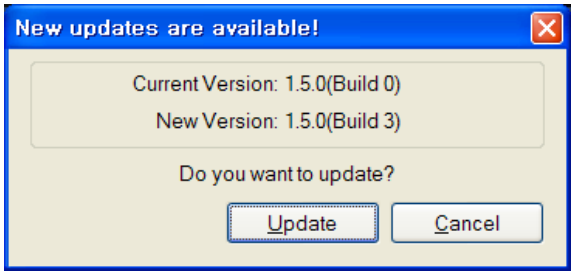
A User-Level user cannot see [Check for update].

(8) Minimize

To hide the screen which is playing, press [Minimize( )] at the top right of the screen.

(9) Auto Update

When a Manager-Level user starts the DNA, he/she can update the program to the latest version automatically.



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